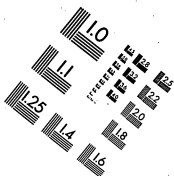
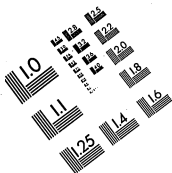


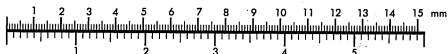


Association for  
Information and Image  
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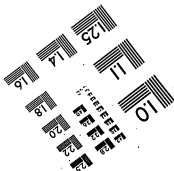
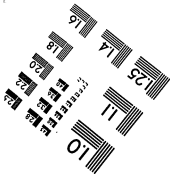
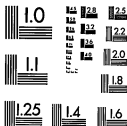
MS303-1980



Centimeter



Inches



# Thomas A Edison Papers

A SELECTIVE MICROFILM EDITION

PART II  
(1879-1886)

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1987

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**Thomas A. Edison Papers**  
at  
**Rutgers, The State University**  
endorsed by  
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18 June 1981

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**START**

**54**



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THOMAS A. EDISON PAPERS  
A SELECTIVE MICROFILM EDITION  
PART II  
(1879-1886)

REEL 54

DOCUMENT FILE SERIES (DOC-14)

D-80-021 through D-80-035  
("Electric Light - Edison Electric Lamp Company - General"  
through "Mining - Spring Valley Hydraulic Gold Company")

**1880. Electric Light - Edison Electric Lamp Company - General (D-80-021)**

This folder contains correspondence and other documents relating to the business of the Edison Electric Lamp Company, which was established in 1880 to manufacture light bulbs. The original factory was in Menlo Park. The company later moved to East Newark, New Jersey and in 1881 changed its name to the Edison Lamp Company.

All the documents have been filmed.

Newark N.J. Jan 19 1880  
Wm. S. Brant  
Ans. Feb 2 1880

~~Not correct~~

Newark Jan 29

J. A. Edison Esq.

Dear Sir

I enclose two extracts from  
this morning's "Register" and  
my card. If you really do  
contemplate starting a factory  
here I beg to state that  
owing to illness and losses  
I am virtually out of business  
but am now well and feel  
competent to superintend  
and assist in such work  
as you I suppose must have  
done in order to start. I  
could give your work my  
sole time in such capacity  
as may be most agreeable.

to you and would  
like to have a permanent  
situation with you if you  
need a man in my line  
about the factory. I believe  
I have given you reasonable  
satisfaction heretofore in  
our business matters  
and if you should employ  
me here I would devote  
my whole time and best  
judgment with the exception  
I have had to your interests.  
I do not ask an exact "big  
wage" but desire to have a  
situation where I can feel  
at home and at the same time

earn a reasonable living

Respectfully yours  
Wm S Denton

P.S.

Please at any rate to reply w.p.  
& advise

NOTICE

**Wm. S. Denton.**

Carpenter, 208 1/2 Investment Building,  
Portland, Me. No. 102. My office is in the building and  
residence has no personal attention. For the  
purpose of articles for PAPER, and  
I regard the work of every kind. I have had 100 years  
experience and other papers of gold, leather and silk.  
Books, Monthly, 50c. per copy. I have had 100 years  
experience in the business of gold, leather and silk.  
I have had 100 years experience in the business of gold,  
leather and silk. I have had 100 years experience in the  
business of gold, leather and silk. I have had 100 years  
experience in the business of gold, leather and silk.

Advertisement or notice block, likely containing text about a business or service, with a header that appears to say "Advertisement" and "Notice". The text is small and difficult to read.

NY Feb 16 1880

E. G.

Ans. Feb 18. 1880

fe

New York Feb. 16<sup>th</sup> 1880

M<sup>r</sup> Edison

Dear Sir;

I understand that you are in need of a strong building for the purpose of perfecting your invention of the Electric Light. I have a building which I think would suit you. It is five stories high and contains six thousand seven hundred and seventy five superficial feet on each floor. There is also a cellar and sub-cellar. It is one of the strongest buildings on Manhattan Island, strong enough in fact to hold rail road iron piled from bottom to top. It has a frontage of about two hundred and fifty feet. Should you wish further particulars, a communication addressed to me will receive prompt attention.

Yours &c  
J. C. Rogers

P.S. The building may be either bought  
or leased for a term of years,  
S. G.





Old Fellows' Hall Association,  
CITY OF NEW YORK.

Old Fellows' Hall,

Cor. of Grand and Centre Streets.

New York, July 23 1880

J A Edison Esq  
Gr Sir

Yours of the  
18<sup>th</sup> is at hand in answer. I  
would say the Building referred to  
in my communication of the 16<sup>th</sup> is  
Old Fellows Hall situated on Grand  
St it is as front on Grand St 70.9 on  
Centre St 8.8 and on Battery 104.11

Yours H S

Geo Smith

M

NY July 23<sup>d</sup> 1880

Geo Smith

Ans<sup>d</sup> July 4, 80

asked him how  
much for that  
& how much lease

Smith



Odd Fellows' Hall Association,  
CITY OF NEW YORK.

Odd Fellows' Hall,  
Cor. of Grand and Centre Streets.

New York, July 28 1880

J. A. Edison

Sir

Yours of the 24<sup>th</sup>

is read in answer would say  
the building is not to rent or  
lease but for sale

Yours H<sup>o</sup>

G. J. Smith

How much



Odd Fellows' Hall Association,

CITY OF NEW YORK.

Odd Fellows' Hall,

Cor. of Grand and Centre Streets.

New York, Mar 4 1850

J. A. Edison by  
L. C. L.

Your favor of the 2<sup>nd</sup>  
is recd. In reply would say that  
I am not authorized as yet to name  
a price, but it will be probably one  
thousand and seventy five thousand  
dollars.

The Board of Managers meet  
on Monday Mar 10<sup>th</sup> if you have  
any propositions to make I should  
be pleased to receive and communicate  
the same.

Yours &c  
Geo Smith

Hudson Mich 20

Apr 20 80

Wm Carman

Just got home.

See the building at  
that price if paid

Cash down

Robt Gilliland

13 paid  
only

*Edison Laying Water*

Know all Men by these Presents, That

*S. Robert Hilliland*

of the Village of *Randson* in the County of *Tenawee*  
and State of *Michigan*, of the first part, for and in consideration of the sum of *Eighty Hundred*  
*Twenty Two* Dollars, lawful money of the United States, to be

paid by *Thomas A Edison*

of the second part, the receipt whereof is hereby  
acknowledged, have bargained and sold, and by these presents do grant and convey, unto the said party of the

second part *his* executors, administrators or assigns, all the *My Factory*  
*Building, situated at Meals Park*  
*in the State of New Jersey. Reserving*  
*the Engine, Boiler and all Appurtenances*  
*belonging thereto to be used hereafter*

*Said Factory now*

belonging to *me*

and now in possession at *Meals Park*

To Have and to Hold the same unto the said party of the second part, *his* executors,  
administrators and assigns, FOREVER. And the said party of the first part for *himself his*  
heirs, executors and administrators, do covenant and agree to and with the said party of the second part,  
*his* executors, administrators and assigns, to Warrant and Defend the sale of said property, goods  
and chattels hereby made, unto the said party of the second part, *his* executors, administrators and  
assigns against all and every person or persons whatsoever.

In Witness Whereof, I have hereunto set my hand and seal this *24th*  
day of *April* one thousand eight hundred and eight

Signed, Sealed and Delivered in Presence of

*S. Robert Hilliland*



T. A. EDISON,

Menlo Park, N. J., Apr 30 1880.

Received from T. A. Edison  
eight hundred and twenty  
five dollars in full for  
building at Menlo Park  
N. J.

\$825.

Robt. Millitancy

We shall soon be able to give the  
matter our attention

New Brunswick Sept-17/80  
Mr J. A. Edson

Dr Sir

I see by the  
newspapers that you are  
desirous to locate your  
work shops near some other  
place where you will have  
better accommodations

if you should choose to  
come here I will give you  
a fine building site in  
Highland Park East New  
Brunswick within 1/2 mile  
of Post office 10 minutes of  
drive on the highest ground  
along the R.R. in the State  
with one or two exceptions

out side of Corporation limits  
therefore almost free from  
taxation if you think this  
worthy of your consideration



New Providence N.J. Sept 17, 1900  
Hugh McKean  
a Sept 17

appoint meeting or come  
here and I will show you  
the place any time you  
make it convenient for yourself

Respectfully yours etc

Hugh McKean

Write to say we intend to  
erect a large factory &  
Mitichee Sep 25<sup>th</sup> 1880

Mr. Tho<sup>s</sup> Edison  
will go where you can get  
the best offers. I learn from Mr. Kousi  
Dear Sir  
the you contemplate locating  
a factory to employ a number of  
men. at some <sup>place</sup> other than Menlo  
Park but convenient streets.

Should you decide to build such,  
I should like to show you some  
land in Mitichee with a stream  
of water running through it. supplied  
from living springs. advantageously  
located for steam or manufacturing  
purposes, and near the freight-dipot.  
There is a number of such pieces of  
land I could show you, which  
I think the people would give for such  
purpose, and if I could do anything

in the way of inducements for  
you to locate a factory here. I would  
gladly do so.


If you would designate a time  
when you would be at leisure  
I would be pleased to call for you  
together with Mr Batchelor or Kusaie or  
any other friends of yours and show  
you what we have here

Yours truly

Manning Freeman

Mr. M. C. Kusaie  
Manning Freeman  
A. 0447-50

(Sept '80)

Mr. Carman Will  
you please send  
me a Book to keep  
numbers of Lamps  
as to a Fat - or Small  
Toss to Put - number 2  
on Lamps with this  
size 

B. Hill

1768 Oct 8. 80  
T. A. Edison

Please do nothing  
about factory land  
until you receive  
my letter.

M. S. Isaac

11/18/80

L W Serrell  
Oct 16 1880



P.O. Box 4689.

New York, Oct 16 1880

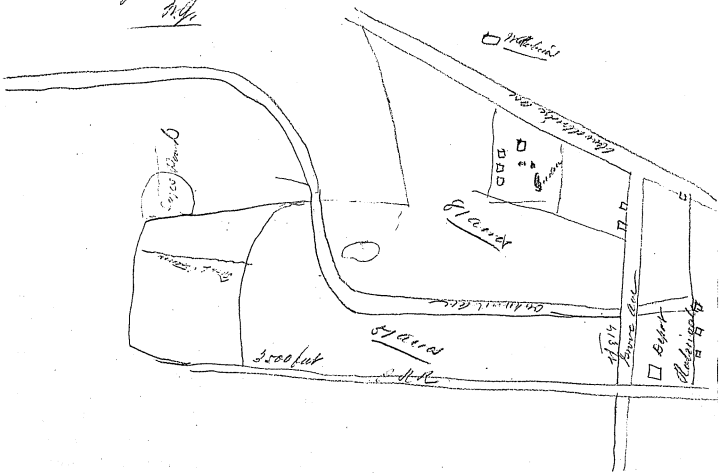
Prof. Thomas A Edison

Dear Sir

Permit me to introduce  
the bearer W Henry Redfield  
who is the gentleman of whom  
I spoke to you as having a  
property that he desired to  
dispose of, upon the P.R.R.  
(near Metuchen); As he was  
coming into your neighborhood  
on Monday he thought it well  
to see you so as to answer  
any questions you might de-  
sire to ask about the place. -

Yours truly  
Lemuel W. Serrell

Henry Reaford  
Hainfeld  
N.Y.



President  
HON. BENJAMIN A. WELLS

Vice-President  
CHARLES S. CAPRON

Treasurer  
JOHN WEAVER

T H H

**SAN JUAN AND NEW JERSEY  
DISCOVERY AND MINING COMPANY.**

Exchange Building,  
Palmyra, N. J. Oct 21<sup>st</sup> 1880

Mr. Wm. C. Barnard

Dear Sir

I am afraid that unless Mr Edison decides very soon to accept the offer made to him, of land near Corto Ave. depot, that the opportunity will pass away. The owner has received a proposition for the whole of the property he owns in that locality, but he will decline it if Mr. E. concludes to build his works there, as he of course realizes that the balance of his land will increase in value on that account. Another owner might be less liberal than he, will you kindly draw Mr Edison's attention to the matter and oblige

Yours very truly  
John Weaver

President:  
HON. BENJAMIN A. WALK

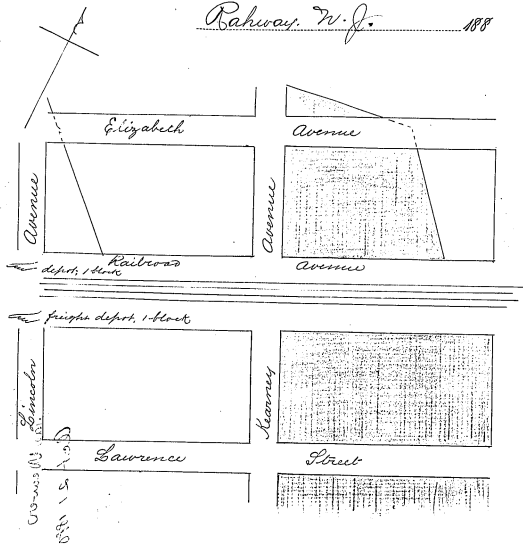
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(1880)

THE  
SAN JUAN AND NEW JERSEY  
DISCOVERY AND MINING COMPANY.

*Rahway, N. J. 188*





Am 3<sup>rd</sup> 1888

Prof Edison

Dear Sir

I received  
the written card from Hensle  
Parker & confess I do not  
understand it I have no  
inclination to purchase  
Hensle Parker nor do I  
know that it is for sale  
Is the card worth anything

Yours Obedt

Samuel L. Curry

115<sup>th</sup> Madison St

Newark, N.J.

1880 Ex. 200

[7-100.]

TENTH CENSUS  
OF THE  
UNITED STATES.

Wages in Manufacturing In-  
dustry, Manufacture of  
Glass and of Cokes.

JOSEPH D. WIERCK,  
Agent and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Pittsburgh, Pa., Nov. 21st, 1880.

J. N. Edison, Esq.,  
Monro Park, New Jersey,  
Dear Sir:

I see it stated  
in the paper this morning, that you  
have erected, or are about to erect a  
factory for making glass lamps.  
Will you please inform me if you  
propose to melt the glass from the  
batch, or if you will take partially  
made glass and rework it. If the  
former, please give me the number  
of pots in your furnace and any  
other information that will be of  
interest.

Truly  
Yours,  
Joseph D. Wierck

We buy tubes & bulbs of the Corning  
glass works & work them up into  
Electric lamps by table blowing with  
gas

[DECEMBER 15, 1880]

(Dec. 1880)

E. L. Co.

Prof. Wm Crocker

Dear Sir

I have now nearly completed  
 works for ~~having~~ a daily output  
 of 1200 of my Carbon  
 filament lamps for high vac.  
 and am working other works  
 which will have a daily  
 capacity of 15000 lamps,  
 and it has occurred to me  
 that as you have a retail on  
 your ~~Patent~~ here that  
 my works and yours if  
 might derive a <sup>fair</sup> ~~net~~ ~~share~~  
 income from the sale of these

~~instruments~~ because our  
 facilities here will permit  
 of their manufacture <sup>at a basic cost of all other</sup>  
 their sale at 50 ~~cents~~  
 each <sup>or less</sup> which were popular  
 than that the sales would  
 be very large ~~the~~ and  
 permanent ~~the~~  
~~shop window~~ please  
 answer if you would  
 make any arrangement  
 with me for working the  
 patent

Yours  
 Wm. E. Crocker  
 E. L. Co.

THE EDISON ELECTRIC LAMP CO.,

Thos. A. Edison,  
Chas. Batchelor,  
Francis R. Upton,  
Edward H. Johnson.

Menlo Park, N. J.

1888

J. J. Lyons & Co.  
Commerce St  
Newark

*NY*  
Please send a man  
immediately little  
boiler is leaking badly

T. A. Edison

Springfield Dec. 28<sup>th</sup> 1830

Mr. Geo. W. Edison

1<sup>st</sup> At the solicitation of a few friends I will give in response to your smoking over-  
riding the base of your manufacturing. Will give  
some of the advantages its possessors  
1<sup>st</sup> a large and enterprising price, freedom of  
trade & hence low taxes.

2<sup>nd</sup> large facilities for transportation, being on  
a trunk line between N. Y. & Pa. & west,  
3<sup>rd</sup> liberal arrangements might be made with  
R.R. Co. for transportation.

4<sup>th</sup> A good opportunity to procure labor of  
a moral and industrious class, and would  
be easily obtained as there would be sufficient  
inducement in size and attractions of the  
city to keep your artisans.

5<sup>th</sup> There is a large brick structure, built for  
a planing mill, has engine & machinery & is  
just ordered, and abandoned by the owner. It  
& is now owned by the R.R. Co. & has a siding  
track into the grounds. Could be had at a  
low price. For less than 1000. is within

40 miles of this station, and acquiring  
lands in practice can be pursued in  
easy terms, & I am sure,  
are satisfied that they would have  
with pleasure to any proposal you  
might make.

Yours Truly,

W. M. Stone

my Plainfield address  
M. M. Stone  
a Rev. 18

A. J. Butler (Dec '80)  
John St.  
New Brunswick

Wish to  
see you at  
the lamp factory  
this afternoon. Come  
on ~~the~~ next  
train. Answer paid.  
T. A. Edison

a J. Butler  
N B  
Dec 31 1880

~~Telegram~~



For Lamp factory - wanted -

8 length  $1\frac{1}{2}$  inch <sup>strong</sup> extra heavy wrought iron pipe  
33 feet long each - in 2 pieces coupled.

2 length  $1\frac{1}{2}$  inch dia. 25 ft. long each - in 2 pieces coupled

10 ~~end~~ end caps for same

10

50 elbows <sup>or</sup> wrought iron pipe hoods  
for same

W. W. C.

8 length 2 inch regular wrought iron pipe  
33 ft. long each - in 2 pieces coupled

2 length 2 inch dia. 25 ft. long each - in 2 pieces

10 end caps for same

10

50 elbows <sup>or</sup> wrought iron pipe hoods  
for same

W. W. C.

1880. Electric Light - Edison Electric Lamp Company -  
Accounts (D-80-022) [not filmed]

This folder contains bills and receipts for tubing, rubber goods, wire, and miscellaneous tools.

**1880. Electric Light - Edison Electric Light Company (D-80-023)**

This folder contains correspondence and other documents relating to the business of the Edison Electric Light Company. Some of the correspondence deals with requests to see demonstrations of the electric light at Menlo Park. Other documents concern underground conductors in New York City. Much of the correspondence is by Calvin Goddard, secretary of the Edison Electric Light Company.

All the documents have been filmed.

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This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. R. BREWER, Sec'y 5 NORVIN GREEN, Pres't 10

Date August 10th 1888

Received at St. Louis

To L. Griffin

READ THE NOTICE AT THE TOP.

Cannot hear of any  
transaction this morning  
or get a reliable quotation  
Numerous applications  
for permits to visit  
Millsport this morning  
owing to notice in  
head - what are Mr  
Edison's wishes  
30 paid L. Goddard  
Hah

THE EDISON ELECTRIC LIGHT CO.,  
2 BROAD STREET.

JOHN GARDNER, Pres.  
E. M. UGGLAFAK, V. Pres.  
E. F. FISHER, Treas.  
C. CHESBROUGH, Secy.

New York, *July 2* 1880

J. A. Edison

My dear Sir,

This will introduce  
Mr. Walter Coleman of  
Jacksonville, Florida  
who desires to visit  
Wentworth Park before leaving  
for home. He had the  
pleasure of meeting  
Mr. Edison in Florida  
last winter <sup>now</sup> & wants to  
see the light.

Yours truly  
C. Chesbrough

Form No. 1.

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A. D. BREWER, Sec'y, with 2 WILLIAM ORTON, Pres't.

Dated New York N.Y. 1880

Received at 11, 29 am

By Wm. O. Odium  
Albany

READ THE NOTICE AT THE TOP.

Will it be convenient  
to you if Mr  
Wright or I come  
with some friends tonight  
Weather (permitting) is everything  
looking smooth  
Ed. Fabson

22 paid  
his son

Blank No. 1.

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This message is UNREPEATED unless otherwise signed and delivered by messenger.

A. T. BULLWINK, Sec'y. *P. WILLIAMS, CHIEF CLERK*

Date *New York Jan 1 1878*

Received of *Jos. Edison*

For *meulo Park*

READ THE NOTICE AT THE TOP.

Can you confidentially come  
here tomorrow morning  
would like to see  
you on important business  
reply

*E. P. Fabbie*

*15 paid*  
*Hat*

Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting the LIABILITY, which have been announced to the sender of the following messages. Every use of the service is subject to the conditions of the Company and the Government. The message is an UNREQUITED MESSAGE and is not subject to the conditions of the Company.

A. R. BREWSTER, Sec'y. WILLIAM ONTARIO

Date: Paris to New York 7/10/80

Received at: Edison menlo park

READ THE NOTICE AT THE TOP.

Edison my  
will you consent to  
my transferring Roosevelt  
one light share  
Puckas

138 H  
Haf

Puckas  
yes Paris

138-3  
2/10/80  
2/10/80



## METROPOLITAN HOTEL

Broadway and Prince St.,  
New York.

HENRY CLAIR, Manager.

New York, Jan'y 18 1880

Friend Edison:

I went in to see Mr. Goddard about the Electric Right today. He said the Company was not yet prepared to dispose of Territory. I asked him what he would take for an option on some western town; the Company to reserve the right to fix the price for the Territory when the light is ready and also the amount of cash capital which the organization shall commence business with. He promised to bring the matter before his directors. I will buy the options at the rate of \$100 per family reckoning five to the family and on the basis of population. If the plan of organizing local Companies is adopted it will bring an immense sum into the

## METROPOLITAN HOTEL

Broadway and Prince St.,  
New York.

HENRY CLAIR, Manager.

New York, 18

Treasury of the Edison Electric Right Co. and place them in position to acquire and protect everything valuable in the field. Give me your assistance in case the matter comes up. I can make some money out of this scheme.

Sincerely Yours  
Geo. W. Chase

The local Companies would then be ready as soon as the light is.

International Ocean Telegraph Company  
Executive Office

Small, then, Secretary New York, Jan'y 19 1880

Dear Mr. Edison

I beg to introduce  
to your good offices Mr. Samuel  
Pritchett of Nashville and Mr. A. H.  
Barrett of Louisville. These gentlemen  
are interested in gas properties in  
Nashville and desire to see such  
of your achievements in the electric  
light as you may think proper to  
show them.

May I ask your kind  
attention so far as may be con-  
sistent with your occupations.

Very Truly Yours

J. O. Green

METROPOLITAN HOTEL

Broadway and Prince St.

New York

HENRY CLAR, Manager.

New York, Jan'y 21 1880

D. A. Edison Esq,

Dear Friend:

Mr. Goddard seems to favor  
my plan & do what you can  
to help me, & if they do not  
change their minds I can do  
nothing. I leave for the west  
tonight

Sincerely,  
G. B. Bell

THE EDISON ELECTRIC LIGHT CO.,  
2 BROAD STREET.

NORTH GREEN, TENN.  
H. M. GALLAWAY, V. PRES.  
E. F. FISHER, TREAS.  
C. GOODRICH, MGRY.

New York, July 27 1888

*No ans*  
My dear Mr. Edison

I enclose for your personal  
a letter received from Colonel Geo. A.  
Whitton, who claims to have discovered  
something that can be substituted for  
the carbonized horsehoe, and which dis-  
poses with the exhausted glass tubes -  
Concerning the man or his work I know  
nothing, but thought best to send you  
his letter for your consideration.

On Thursday of this week a party  
of gentlemen from Philadelphia pro-  
pose to visit Menlo Park, with a view  
of examining the Light, and forming a  
Stock Company to operate it in Phila-  
delphia, if they are satisfied as to its  
merits. They will be accompanied by  
a Mr. H. J. Woodruff, who has had some  
correspondence heretofore with me, about  
the Light. He will present a letter  
written by me to him, as a card of  
introduction.

Yours very truly  
C. Goodrich

**EDISON'S ELECTRIC PEN AND PRESS**

76 Market Street,

Chicago, Ill. 60601

Address  
**GEORGE ELISS,**  
Genl. Manager.

Hon. A. Edwin Eng.  
Meals Park, N. D.

Dear Sir:

*W. J. ...  
of ...*

I mail you a copy of the Chicago Tribune containing communication in regard to the Edison Electric Right.

It now looks as if I can raise \$100,000.00 for an option on the City of Chicago and that is on the basis of \$100 for each family of four per year. The men I'm interested are the richest and most successful men here.

Please use your influence with the Company favorably. Should the plan consummate it will create a twofold in the camp of the case men.

If the programme succeeds here, a very large sum can be raised on the same plan in the west.

Respectfully

Geo. H. Bluss

1 My 2<sup>d</sup>

July 2.80  
240

S. L. Griffin  
211

Have sold share at  
fifty hundred

Algodard

Collect  
H. G.

T. A. EDISON  
Menlo Park, N. J.

Money wanted to  
be from E. I. Co  
J. A. Edison

T. A. EDISON,

Menlo Park, N. J., March 15 1880.

Shall need \$20500 up to  
the first of August of which 2000  
will be returned by E. I. Co  
This completes the maximum  
system here. 2000 given in special  
Building and 6000 Burners of which  
500 are street lamps - after  
August it will probably be at the  
option of the Co. the length of  
running time here of this system  
is sufficient proof of its  
practicability to build

J. A. Edison

Our new system  
March 3740  
2000  
April.  
May  
June  
July

4900  
21700

Orders now 3740  
Sellers 669  
Copper - 160  
Cappacuni 688.  
Armature 105  
" Iron 420.  
Watts Cr Co - 351  
Betting - 467  
Shafting - 380  
Ralls - 40  
Elevators - 1400  
Chicago - 3800 =  
17770  
Jan. 3200  
July 3200  
18170  
20170

3600

6 weeks  
5-174  
1400  
3774

11111

44

W. Nymer 20-50  
C. B. 20  
No. 205

ROYAL  
Swedish & Norwegian  
Consulate.

New York, March 20 1880.

Thos Edison Esq.  
Manhattan Park.

Dear Sir

I take the liberty  
to enclose a few lines  
for Mr Faltin - who  
has kindly given me a  
permit to visit your  
works on Tuesday eve

With the officers of the company at O'Keefe as  
Lieutenant for aye Baldwin. We are here by the  
who are very anxious to 5<sup>th</sup> train  
have the pleasure to meet  
your acquaintance and  
to see your works -  
We hope to have the  
pleasure to call Tuesday

Very respectfully

Christian Bors



11  
Drexel, Morgan & Co.

P.O. Box 3036

New York, N.Y., Dec. 16, 1880

Friend Edison

I recommend to your  
courtesy & attention Mr.  
Christian Baetz, who with his  
family & several officers of  
the Norwegian Royal Navy will  
visit your establishment next  
Tuesday - Very truly yours

C. P. Fabbri

Thos. A. Edison Esq  
Menlo Park

THE EDISON ELECTRIC CO.  
15 N. GALLATY ST. N.Y.  
E. F. FARMER, Pres.  
W. L. C. GARDNER, Sec'y

444 8th St  
New York  
April 8<sup>th</sup> 1880

My dear Edison

The gentlemen whom I telegraphed you I wanted to bring out are influential Capitalists here and in Boston, friends of Dmrtg

On receipt of your telegram I postponed the visit -

Please advise me on receipt of this when I can take them out & give them a chance to see the operation of the whole business -

They may want a day or two notice, so give me all you can make time as soon as you can be in shape -

Was it you who went

Wail for Sawyer?

Yours truly  
C. Guinn

THE EDISON ELECTRIC LIGHT CO.  
3 BROAD STREET.

JOHN G. BROWN, Pres.  
W. M. GARDNER, V. Pres.  
F. PARSONS, Treas.  
NEW YORK, N. Y.

New York, April 17<sup>th</sup> 1880

Dear Sir:

The regular quarterly  
meeting of the Board of Directors  
of the Edison Electric Light Co.  
will be held at the Office  
of the Company on Tuesday  
the 20<sup>th</sup> instant at 2 o'clock noon.

Respectfully yours

C. J. Johnson

Newport 4/20/90

S. D. Griffin  
medioparty

1124/100

Obliged to defend district  
till Thursday

C. Goddard

C. paid  
Hof.

Blank No. 1.

## THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, binding its liability, which here is assumed by the sender of the following messages:—  
1. Messages for special delivery and for special transmission back to the sender at his option, and the Company is not responsible for the delivery of such messages.  
2. Messages in an UNRECORDED MESSAGE and is delivered by repeated the sender, under the conditions stated above.

A. H. BILWEN, Secy

NORVIN GREEN, President.

Dated New York 5/5 1880

Received at \_\_\_\_\_

To J. L. Truesden, M.D.

READ THE NOTICE AT THE TOP.

Telegraph me very  
lowest three pences  
light deliverable  
to moment answer  
metropolitan  
Edison in Tol  
12 paid.  
Maaf 9.20 pm

This msg. was sent  
to Chicago & is a  
copy sent here for  
Maaf

W/ 9 p.s. May 10, 1880  
Dear Mr. Lowrey

My father is with  
me for some days, before  
going to Europe to join his  
family.

If another party is  
made up to go to Meulo  
Park within the near  
future, will not you  
kindly favor me by  
making my father  
one of the party.

You will oblige me  
much if you can do this  
without trouble to yourself.  
Yours truly  
S. H. Hayes.

Dear Lesvi - This is Maj. Paul Hayes of the  
Army - I shall bring him out some day but  
you need not bother young about us

Yours

P. H.

It is all over about the  
money - You will hear  
no more of it - except  
that your bills will be all  
paid



John K. Porter.  
Governor Elsworth.  
Gov. Miles Kern.  
Chas. Francis Stone.  
Geo. S. Hamlin.  
Wm. L. Porter.

*Porter, Lowrey, Loren & Howe.*  
*Attorneys & Counsellors at Law.*  
*No. 3 Broad St. New York.*

P. O. Box 1836.

June 10, 1880. *47*

My dear Edison:

I would go out to see you to-day, but think it not unlikely that you will be coming into town. I intend to go on Monday.

I inclose memorandum of points handed to me by Mr. Mann, at my request, as the summary of his remarks to me in a conversation which we had a few days ago. Mr. Mann, you remember, was Sawyer's partner, and now represents the Sawyer Company, whatever its name is, with which he says, by the way, Sawyer has nothing to do. He sent a gentleman to see me several times, requesting an interview, which, at last, I gave him, telling him, however, that I was not personally instructed in the state of the art so as to be able to contradict any assertions or claims that he might make; that I would therefore, listen to what he had to say, and request him afterwards to reduce it to writing that I might submit it to you, Mr. Wilber and Mr. Dickerson if it was thought best. He sent me this paper sometime ago, but I have neglected to send you a

copy, although I sent one to Wilber this week. Please read it over at your leisure and then you will tell me whether there is any occasion to reply to it.

I have a plan in mind concerning the railroad, which will I think, produce a sum of money sufficient to set up an Electric Lighting district in the city of New York. All this I will discuss with you next week.

Yours truly



One enclosure.

Memorandum of Points covered by Patents  
owned by the Electro-Dynamic Light Com-  
pany, as follows:

The Patents for Lamps principally relate to  
incandescent lamps and they cover the methods of closing and  
making tight the glass in which the lamp is placed; the  
methods of bringing the conductors through the walls of the  
lamp; the means of supporting the light-giving portion of the  
lamp and preventing radiation of heat to the part of the  
glass through which conductors pass and where joints are made;  
the use of sodium, potassium and other oxidizing agents, and  
agents for the removal of carbonic acid and other acids; the  
means of purifying and drying the atmosphere of the lamp.

We describe in our patents the use of double-  
globes, for which we understand Mr. Edison has applied for or  
taken patents, and cover the use of platinum holder for car-  
bon; the heating up of the carbon and of the globe during  
the process of filling and exhaustion to drive out occluded  
gases; the process of exhausting the lamp and filling with a  
purified atmosphere; methods of purification and exhaustion;  
the means of supporting the diaphragm within the lamp out of  
contact with the glass to prevent breakage; the construction  
of the lamp in all its details, <sup>patented by Edison</sup> including apparatus for feed-  
ing up, in case of breakage or consumption, additional carbon.

Switches for lighting the lamp, covered by  
very broad claims, whose general purpose is to turn a current

Joints in  
every case  
nearly hermet-  
ically sealed  
by glass.

No use

No use

Not used

Not used

Patent No.  
224,394  
Filed Feb 3, 79

No use

-&gt; See

Shaffer's Telegraph Manual

Magnet page 867

Wint. no. 874

De la Rue Phil. Trans. 1878 page 100

of electricity into the lamp while preserving the continuity

of the circuit so that lamps already lighted or in circuit

shall not be effected by the lighting of other lamps; a safe

device, connected with the switches, to prevent the com-

pletion of a lamp's circuit when there is no current to en-

ergize the lamp and which after an interruption in the flow

of current prevents the lighting of the lamp until it has been

brought into a condition of safety as against an abnormal

flow of the current; the turning of the current into thelamps gradually, or not too quickly; the proportionate

introduction of resistance into one branch of a circuit con-

currently with the removal of a resistance from another

branch of the circuit; in other words, the preservation of

equal combined resistance in circuits while the constituent

resistances are being varied, in order that the flow of cur-

rent may be preserved and kept equable while portions of the

current are diverted in different branches to different lamps

groups of lamps or localities, an apparatus for the safety of

lamps against an abnormal flow of current, broadly, "In an

electric lighting system an apparatus energized by the cur-

rent flowing in, such system which, when there is an abnormal

flow of current in a part or parts of such system, automati-

cally operates to disrupt, disconnect, or change the circuit

of such part or parts;" covering broadly the use of electro-

magnetics as such safety devices and probably Mr. Edison's

patent safety device for his lamp as an "equivalent" except

Used before  
as lightning  
protection  
by De la  
Rue to  
protect  
his tubes.

No use

Prove  
Wint.

Claim on  
and every  
form of  
regulation  
and made.  
No regulation  
now needed.

Wint

Rev. Shaffer

*Not used*

as an improvement under our patents. A regulator, for the current, covering an independent electro magnetic switch energized by the current, acting automatically, upon the occurrence of any change of electrical condition in circuit, or circuits, supplied, to allow of a corresponding change in the quantity or intensity of the current generated. The use of different forms of resistance, including wide, thin metallic conductors and carbon under different pressure inclosed in fire-proof material.

*Not used  
No use  
Distribution*

An electric meter energized by an infinitesimal portion of current showing the time during which any lamp has been lighted and giving the total result in hours, and minutes of the burning of any number of lights.

*All lamps  
as placed  
in every system  
non-use*

Means of producing an absolutely pure carbon of great density and strength.

Electric lighting system covering the placing of lamps between the outgoing and incoming conductors from and to the generator, constituting also an automatic system of regulation.

*No use*

The system of lamps is one in which the lamps are intended to be opened whenever necessary to supply new carbons which can be done at a mere nominal cost, and the lamp itself, independent of the glass shade which preserves it, is all fastened to a single piece of glass or metal, as the case may be, which constitutes the stopper of the glass shade.

This Company, through its application, is now

in interference with Mr. Edison in an application for the Horse Shoe or circular form of carbon and for carbon made from wood, paper and other fibrous substance used in an attenuated atmosphere, and before Mr. Edison commenced the study of Electric Lighting, we had used numerous lamps with carbons of such material in atmospheric vacua and in vacua of other gases such as nitrogen, hydrogen and hydro-carbon.

I do not like to point out particular things in which interference and possible litigation may arise, it is pleasanter to say, and I believe, that the combination of the two systems of invention cover substantially all that is of value in incandescent electric lighting, and much of the electric arc lighting, and that their combination would render each stronger and more valuable than either can be alone. There are quite a number applications in the Patent Office, now pending, to which I do not feel at liberty to refer, but which perhaps it will be enough to say render stronger the position of the Electro-dynamic Light Company. There is also a patent owned by one of the members of the Company, covering an important principle in the construction of the lamp, and an entirely new method of joining glass together with ordinary solder, which it is expected will be used in aid of the Electro-Dynamic Light Company, and there is also an Electro-Dynamic Machine covering new principles, of great promise.

*No sub. of course  
declared  
Elliott got  
a vacua  
in which  
lamps were  
used long since  
he was*

*No use  
Controlled  
what they are  
going to do  
qu*

J  
M.Y. 10 (June '80)  
J J Griffin  
Mentobank

Can you sell five  
shares or any part  
name lowest price

Goddard

12 Collect  $\frac{100}{100}$   
347 PM  
29 cents

5 May 30 (Sat)

Griffin M.P.

Of my Caton, a  
friend of Mr Sowers  
arrives day to him  
that Mr Edison and  
Mr Lowry are coming  
by four thirty train

Interlocking Iron  
and Stone

W.D.H. to 3:30 pm  
Xc



THE EDISON ELECTRIC LIGHT CO.,  
3 BROAD STREET.

NORTH DAVEN, Pres.  
H. M. STARBUCK, V. Pres.  
W. P. FARRIS, Treas.  
C. G. HARRIS, Sec'y.

New York,

July 17<sup>th</sup> 1888

Dear Sir:

The regular quarterly meeting of the Board of Directors of the Edison Electric Light Company will be held at the office of the Company on Tuesday the 20<sup>th</sup> inst. at 12 o'clock noon.

Very respectfully,

C. G. Harriss Secy

July 20<sup>th</sup> 1890

G. P. Lowrey

Care Porter Lowrey Loren Street  
N.Y.

Impossible come, as we are  
all fixed this morning for  
a test of our street mains  
and we have been waiting  
for a wet morning

T. A. Edison

104-1

EDISON ELECTRIC LIGHT CO.  
30 NASSAU STREET.

New York

June 21st 0

Dear Sir:

An adjourned meeting  
of the Board of Directors  
of the Edison Electric Light  
Company, will be held at  
the office of the Company  
this day (Wednesday 21<sup>st</sup> inst)  
at 12 o'clock P.M.

Very respectfully

Charles D. Jewell

Main Offices of Kent & Auerbach.

3 Broad Street (Truel Building)

New York, July 23, 1880

Rockwell Kent.

Jon. S. Auerbach.

Thomas A. Edison Esq

Dear Sir:

I received the dispatch  
from Hearle which was forwarded to  
you. I showed it to Mr. Lowrey and  
although he thought you would not  
care to inquire into the matter at  
all, I sent it to you to act  
upon as you saw fit. It was  
sent under his name to dis-  
credit it.

Very truly  
Rockwell Kent

**THE WESTERN UNION TELEGRAPH COMPANY.**

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The message is an UNREPEATED message and is delivered by request of the sender, under the conditions named above.

A. R. HEWEL, Sec'y. 4 NORVIN GREEN, President.

Dated Memphis 23<sup>rd</sup> Feb 1880

Received at W. A. Edison 70

READ THE NOTICE AT THE TOP.

Mr Kent has just received the yellowing from E. Keeler material "Now some competent parties come here by tonight's train to see new device and multiplier of light important expenses guaranteed if failure"

G. P. Lowrey

33 D N <sup>4</sup>/<sub>to</sub> 145 pm

G. P. Lowrey  
23<sup>rd</sup> Feb 1880

Do as you please <sup>to</sup> have heard that too many times to late sufficient interest Edison

Main Offices of Hunt & Auerbach.

3 Broad Street (Grand Building)

New York July 2<sup>d</sup> 1880

Rockwell Hunt.

Jas. S. Auerbach.

Dear Sir

I send you enclosed a letter  
received this day from W. Keane  
from whom I sent the dispatch  
which I forwarded to you.

Will you kindly inform me whether  
you will take any steps in this  
matter.

Very truly  
Rockwell Hunt

Thomas A. Edison, Esq.  
Newark

The statements of these  
parties - Montreal are too  
absurd and want no further  
notice

# Transcript of T. A. Edison's account

## STOCK SURRENDERED

## STOCK ISSUED

DATE OF CERTIFICATE	NUMBER OF CERTIFICATE	NUMBER OF SHARES	IN WHOSE NAME.	DATE OF CERTIFICATE	NUMBER OF CERTIFICATE	NUMBER OF SHARES	IN WHOSE NAME	ADDRESS.
1890								
Aug 3		150	Frank M. Laughlin ✓	10-17-91	1	1000	Original Issue	July 9 <sup>th</sup> 1892
7		10	Martin Force ✓	12-27-91	20	9000	"	"
9		10	May E. Barman ✓	1-3-92	3	150	"	"
17		10	Chas. L. Dean ✓	5-1-92	4	1000	Geo. Caskas	Aug. 5 <sup>th</sup>
Nov 1		10	Sam C. D. Matt ✓	3-12-91	25	100	C. Batchelor	July 13 <sup>th</sup> 1891
Dec 27		425	J. R. Upton ✓	3-14-91	100	100	P. de Caskas	Feb. 29 <sup>th</sup>
		75	S. S. Siffin ✓	5-17-91	100	100	J. Bergmann	Jan. 11 <sup>th</sup> 1892
Feb 24		10	Chas. Casparus ✓	5-17-91	100	100		
"		10	Ch. Coddington ✓	5-17-91	100	100		
Mar. 12		20	John O'Keefe ✓	5-10-91	100	100		
14		10	Alfred Reid ✓	"	100	100		
29		10	Caspar Saportas ✓	2-24-91	100	100		
May 10		20	E. L. Clarke ✓	12-10-91	100	100		
July 5		1690	E. P. Fabbri ✓	2-24-91	100	100		
		10	E. H. Johnson ✓	3-27-91	100	100		
Sept 17		5	Francis A. Jehl ✓	7-5-91	100	100		
23		500	Geo. Caskas ✓	4. 12. 91	209	2690		
Oct 7		5	Chas. P. Matt ✓	9. 22. 91	210	4800		
19		1000	Jas. B. Barker ✓	11. 9. 91	376	100		
Nov 9		100	H. S. Perry ✓	9. 9. 91	206	5		
Dec 10		10	W. A. S. Helber ✓	"	337	5		
"		10	F. B. Kilber ✓	9. 17. 91	300	5		
"		50	O. A. Wassel ✓	10. 7. 91	340	5		
"		50	S. B. Eaton ✓	1. 11. 92	343	10		
Jan 7		100	Caspar Saportas ✓	5. 30. 92	167	100		
11		10	S. B. Barker ✓	9. 20. 92	417	100		
Aug 26		75	H. L. Jaques ✓	"	121	119		
"		50	H. S. Perry ✓	9. 26. 92	777	100		
"		90	H. B. Lidenberg ✓	1. 7. 92	464	100		
Sept 25		100	" ✓	12. 10. 91	464	100		
Apr 12		500	H. S. Perry ✓					

New York

Sept 4, 1880

J. A. Edison

Saw Porter

yesterday, he showed me  
his letter to you.

I will see you Monday.

S. B. Eaton



21<sup>00</sup> My Sept 17, 50  
S B Eaton  
~~copy~~

OK file

(Sept. 17/50)

Dear Sir -

Your article in the South  
American is excellent - most  
excellent - both in tone,  
matter & style. I have  
this day sent copies to  
Col. Low and, and to

the Paris, of Paris engine,  
He will not send me  
and this morning he was  
back in bed, so on prospect  
rich to you was postponed.

I saw the Russell  
this morning. He says nobody  
wishes to answer his questions.

I will be out the  
field of the week, probably  
Monday.

Again congratulating you  
on your article, I am

Sincerely yours

L. B. E. C. E. C.

346 B<sup>th</sup> way

107 B<sup>th</sup> 80

To T. A. Edison G.

S. B. Eaton  
346 BROADWAY

New York 22<sup>nd</sup> Sept 1870

Dear Sir

I have been daily expecting  
Mr. Conway to return, but he  
has not come yet, and may  
not be here till Monday.

Until he arrives I think  
nothing should be done about  
the question of when to apply

to the city for right & all  
the streets. I deeply regret  
the delay.

Very truly yours

J. B. Nelson

To

T. A. Nelson

346 BROADWAY

Max Watson

New York 27<sup>th</sup> July 1870

Dear Sir

The Lunacy Judge sends  
word & we think he is well,  
and I am to go to Tarrytown  
tomorrow night, to talk over  
certain legal matters. After  
seeing him I will see you.

Mr Russell called to-day.

He says the Sheriff writes etc.

lighter is putting the  
light, with your business,  
into a house up town. He  
thinks the sky is lower.

I have no late news  
from the Pacific and the Orient.

My truly yours  
M. P. [Signature]  
To  
T. A. Edison Esq.

THE EDISON ELECTRIC LIGHT CO.,  
3 BROAD STREET.

ROBERT GRIGGS, Pres.  
H. M. CALVERT, V. Pres.  
H. P. FARRAR, Treas.  
G. CHAMBERLAIN, Sec'y.

New York,

Oct 20

My dear Edison

Thank Griffens  
note of yesterday enclosing  
your cheque for \$500.

I paid the enclosed draft  
on the 29<sup>th</sup> value \$480  
and herewith hand you  
my cheque for \$20. which  
squares up -

Yours truly  
Edouard

NY Oct 6 50  
J. A. Russell  
No. and

file  
N.Y. Oct. 6<sup>th</sup> 1880.

J. A. Edison Esq.  
Dr Sir:

Your favor  
of Oct 5<sup>th</sup> is to hand and in  
reply I would say that the in-  
formation you desire in reference  
to the use of Kerosene lamps  
will be embodied in the "Statistics"  
in future.

The books already in your  
possession show the maximum  
number of gas ft<sup>3</sup> burned between  
the hours of 5<sup>th</sup> to 6 P.M. - especially  
in Winter.

In regard to the use of electric  
or hoist I find that they would  
be universally used if the power  
could be applied at the price you  
name. This information will be



found in the "Statistics" in  
future.

It is almost impossible to  
arrive at a correct estimate  
of the amount of gas burned  
in Summer, as, in the district  
where I am working nearly  
all of the firms close business  
at or before 6 P.M. In  
some cases, however, on dark  
days, a press of business and  
the like, they use some gas.

Any further suggestions  
which you may be pleased  
to make will be thankfully  
received by

Yrs Very Respectfully  
J. A. Russell.

GOLD & STOCK TELEGRAPH CO.  
WESTERN UNION BUILDING,

Small Print  
P. O. Box 493.

New York,

Oct. 8<sup>th</sup> 1880

Thos. A. Edison Esq.

My dear Sir, When I saw you last  
you promised to send me a design for  
our New Certificate of stock, but I have  
not yet received it - Can you not send  
it to me at once? I will take some  
time to get it engraved, and as we  
shall probably soon take action  
in regard to a New Company, it  
is desirable to have it begin as  
soon as possible -

You also spoke of sending  
me your views in relation to the  
Regulations that should be adop-  
ted by the Company for enabling  
its Licensees to procure the Appa-  
ratus and Appliances for furnish-  
ing the Light to Consumers -

I should be glad to receive them  
as early as convenient.

Yours very truly  
Thos. A. Edison

05-2-1931  
W. J. B. B. B.  
1700  
1931

remaking the design  
I am working the system  
of regulations

THE EDISON ELECTRIC LIGHT CO.,  
25 NASSAU STREET.

HENRY GREEN, Pres.  
H. M. DILLAMAY, V. Pres.  
W. P. KENNEDY, Treas.  
W. L. GARDNER, Sec'y.

New York, Oct. 15, 1888. JSN

Dear Sir

The Regular Quarterly  
meeting of the Board of Directors  
of The Edison Electric Light Comp  
any, will be held on Tuesday  
19<sup>th</sup> inst. at the Office of the  
Company at 12 o'clock noon

Respectfully

W. L. Gardner

THE EDISON ELECTRIC LIGHT CO.

37 BROAD STREET,

NEW YORK CITY.

THOMAS EDISON, Pres.

J. M. GILGILLAND, V. Pres.

H. F. FARWELL, Treas.

C. G. CONRAD, Sec'y.

New York, *October 16, 1880*

*Dear Sir* On account of previous engagements of several members of the Board the hour for the meeting on Tuesday of inst. has been changed from 12 to 3 o'clock. A full attendance is requested as matters of importance will be considered.

*C. Gilgilland Sec'y*

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company transmits and receives messages only on condition, limiting its liability, which have been assumed to by the sender of the following message. Any delay or error in transmission or delivery of the message is the sender's responsibility. The Company will not be held liable for errors or delays in transmission or delivery of telegrams or messages. This message is an **URGENT** message and is delivered by request of the sender, under the conditions stated above.

A. R. HENNING, Sec'y.

MORVIN GREEN, President.

3 Dated New York Oct 18<sup>th</sup> 1880

Received at NEW YORK N.Y.

To J. A. Edison

READ THE NOTICE AT THE TOP.

Will be out on  
the one o'clock train

S. B. Eaton

Spaid.

Blank No. 1.

## THE WESTERN UNION TELEGRAPH COMPANY.

This Company transmits all telegrams except money orders on condition, limiting its liability, that the sender shall be responsible for the accuracy of the message, and the Company will not be liable for errors or delays in transmission or delivery of telegrams.

The Company is an **EXCLUSIVE MESSAGE** and is delivered by request of the sender, under the conditions stated above.

A. S. BIRNBECK, Sec'y.

MORRIS GREEN, President.

Dated New York Oct 20<sup>th</sup> 1886

Received at MENLO PARK N.J.

To J. A. Edison

READ THE NOTICE AT THE TOP.

Shall be out on  
three o'clock train this  
afternoon I am detained  
till then.

J. B. Eaton

14/paid

David H. Chamberlain,  
Walter S. Carter,  
Shepherd Blake Eaton,  
William B. Haskins,  
Eugene H. Lewis.

Law Office of

Chamberlain, Carter & Eaton,

346 Broadway,

New York, N. Y.

J. A. Edison, Esq.

Menlo Park,

N. J.

Dear Sir:

Major Eaton directs me to say to you that he will be unable to visit you tomorrow as he had intended, in consequence of certain matters connected with the Menlo Park Telephone Company, which require his immediate attention. He will see you probably on Monday.

Yours very truly,

Carl Williams,

stenographer.



THE EDISON ELECTRIC LIGHT CO.

30  
NASSAU ST. N.Y.

James Gale, Pres.  
R. M. Dalway, V. Pres.  
K. J. Jones, Treas.  
O. S. Sisson, Sec'y.

New York, *Oct 21st* 1880

Thos A Edison Esq  
My dear Edison

Please send me a memorandum of the number of shares of stock now owned by you and the names of those whose interests you are under obligations to protect in the matter of the increase of stock with the number of shares owned by each.

Yours truly  
O S Sisson

Please let me have this with as little delay as possible

Batch	130	\$
ETHG	8	
Gas Adams	25	
Upton	30	
Mrs. E. W. Upton	1	
Francis Fehl	15	
Mrs Van Cleve	2	
Allen Stillwell		

~~of the~~ The balance of funds  
 subtracted from my 1500 the  
 following & the rest is mine  
 5 from Gas Adams  
 20 W. P. Smith  
 5 W. C. Coffey  
 8 E. Fox  
 20 S. D. O. P. H.  
 30 Gas & P. H.  
 30 J. R. Egan  
 500 - G. P. Lowrey  
 678

1000 200 200  
 1000 200 200  
 1000 200 200  
 1000 200 200

John K. Foster.  
Governor's Lawyer.  
Gen. Walter Sargent.  
Chief Justice Stone.  
Gen. S. Hamilton.  
Wm. L. Foster.

P. O. Box 1836.

*Porter, Lowrey, Loom & Howe*  
*Attorneys & Counsellors at Law*  
*No. 3 Broad St. New York.*

Oct. 23, 1890. /4-

Thos. A. Edison, Esq.

*File*

Dear Sir:

Mr. Lowrey directs me to enclose to you a revised draft of his proposal for a new contract with the Edison Electric Light Company. This is intended rather to suggest ideas than to be adopted as final, and he has enclosed a copy of the same, together with a copy of this letter to Mr. Tracy R. Edson and Mr. Calvin Goddard.

Yours truly

N. A. Fanning.

E. E. P. 60



1890

AGREEMENT made this \_\_\_\_\_ day of \_\_\_\_\_ in the year 1880, between Thomas A. Edison, of Menlo Park, New Jersey, party of the first part and the Edison Electric Light Company, a corporation created and existing under the laws of the State of New York, and hereinafter called the Company, party of the second part.

WHEREAS the parties hereto did, by an agreement dated the 15th day of November, 1878, enter into mutual engagements for the purpose of carrying on experiments in respect to the use of electricity as a means of producing heat, light and power, to which said agreement this is supplemental.

AND WHEREAS said experiments have been since the date of that agreement and to the present time conducted by the said Edison at the expense and for the interest and benefit of the Company, for which purpose the Company has furnished the funds provided for by said agreement, to wit: \$50,000 in cash and also the further sum of \$70,000 or thereabouts:

AND WHEREAS the experiments heretofore and now being carried on have covered a much wider field of experiment and observation than was originally contemplated, to the great benefit and advantage of both parties and has required and is likely to require larger sums of money than have yet been paid, as well as more time and effort:

And Whereas in the course of such investigations and experiments inventions have been and are likely to be made which the parties are agreed should of right belong to the Company under the spirit of the said agreement, whether embraced strictly within its terms or not:

And Whereas in view of the premises it is deemed desirable to provide more funds and a method of carrying on the work of the Company in a manner more extended than heretofore as well as to fix with as much certainty as is possible, the rights of the parties in respect to any and all inventions, directly or remotely connected with the subject of using electricity in the manner above described, which may have been made or perfected or may, within the period hereinafter named, be made or perfected by the said Edison:

Therefore It is Agreed as Follows:

1. The agreement aforesaid, except as directly or by implication abrogated or modified by the terms of this agreement, remains in full force and effect; all its provisions are hereby made applicable to all the inventions, improvements or Letters Patent which are the subject matter of this or the said first agreement.
2. The Company shall be entitled to claim and demand all inventions or Letters Patent therefor of the nature herein described or intended so to be, which may be made or perfected by the said Edison within five years from the 15th day of November 1880, and shall pay the expenses of all

( 2 )

experiments necessary or useful in the opinion of said Edison and authorized by the Company in the making or perfecting such inventions.

3. This agreement, as well as the agreement to which this is supplemental, shall be deemed to apply to any and all inventions or Letters Patent for means, methods, devices or contrivances of any and every nature whatsoever which relate to or affect in any way the application of electricity to the production by any means or in any manner of either light, heat or power, ~~and~~ also any and all inventions or Letters Patent for making or producing the means, agencies, devices or contrivances aforesaid or any part or parts thereof or for manufacturing the same or for carrying on ~~the~~ convenience or economy the art or business of producing light, heat or power by or through the use of electrical currents of electricity as a sole agency or united with other means or agents; it being understood, however, that as to all such inventions as are capable of use other than those above described the Company is to license the said Edison to use the same in his own business as a manufacturer of articles which are not applicable to the uses of electricity for light, heat or power.

4. The Company agrees, in addition to the \$50,000 provided by said first agreement and the amounts which have been supplied subsequently to the expenditure of said \$50,000, being in the whole, to the present time, the sum of about \$70,000 a further sum which, adding thereto the par value of the shares to which Mr. Edison is to be permitted to subscribe as hereinafter provided, shall, together with the \$70,000 aforesaid, amount to the sum of \$130,000, to be used in/about the business described in said first agreement under the supervision of its Board of Directors and to issue therefor its certificate of indebtedness, payable in five years from the date thereof, (with semi-annual interest payable out of net earnings, if any are made, and not otherwise) which certificates shall be redeemable at the option of the Company at any time before maturity on giving sixty days' notice, by public advertisement in one of the daily newspapers of principal circulation in the City of New York, with the privilege in the stockholders to exchange the same into the capital stock of the Company at par at any time within one month after notice that the said Company is ready to make such exchange, and for the purpose of providing stock for such exchange, the Company agrees to procure a vote of its stockholders for a legal increase of the capital stock of the Company to the full amount of \$480,000 for which increased stock said Edison shall be permitted to subscribe, as part consideration of this agreement for shares and to have the same issued to him in the same manner as is done to holders of said certificates of indebtedness above described.

5. The said Edison agrees in consideration of the premises to accept in lieu of the annual royalty provided in the sixth clause of the said first agreement a percentage of \_\_\_\_\_ per cent. on the gross receipts of the Company, not, however, to exceed in any one year the amount

( 3 )

nanced in said first agreement, said percentage not to begin to accrue until the Company shall have paid the \$80,000 to the original subscribers to the cash capital and the \$100,000 to Mr. Edison as provided in said first agreement and shall have paid to its stockholders a yearly dividend of ten per cent on the Capital Stock of the Company, and provided further that in case of assignment by the Company of its entire interest in the Letters Patent or inventions of said Edison to any other Company, provision shall be made to secure to said Edison from said Company an equal amount per annum by way of percentage upon the income of said Company after the payment of the \$80,000 to the original subscribers to stock and the \$100,000 to the said Edison as above provided or a like dividend to its stockholders and with a like limitation of the amount to be paid to said Edison.

*Copied*

AMENDMENTS to the AGREEMENT between The Edison Electric Light Co. and Thomas A. Edison, Chas. Batchelor, Francis R. Upton and Edward H. Johnson.

## Page 1

of the printed copy

The party of the second part is changed to "Thos. A. Edison, Chas. Batchelor, Francis R. Upton and Edward H. Johnson, co-partners in business under the firm name and style of The Edison Lamp Co.  
The changes occasioned by this occur throughout the agreement.

*Written copy  
14 half pages  
1.*

## Page 2.

Lines 9-12 inclusive are omitted in the written copy.

*Page 2 Line 27.*

## Page 3.

Section III is changed as to the first six lines by substituting therefor from the 18th line of page 4 of written copy to the 27th line of page 6 inclusive.

*Page 4 Line 12  
to  
Page 6 Line 27*

The last clause on this page (beginning at the word "and" on last line) has "after receiving from sales of lamps the amount actually invested in the business of said Lamp Company and whenever after such amount is received" inserted in written copy before "the cost thereof" on page 4, line 7.

*Page 7 Line  
14 &c.*

## Page 4.

Line 17 &c. "Together with interest at the rate of 6 per cent per annum upon the amount of money actually invested in the business" inserted between "shall" (1st word line 17) and be (the next word).

*Page 8 Line  
16 &c.*

"licensee" omitted on last line and "Edison Electric Light Company in the manner hereinbefore specified" substituted for it.

*Page 9 Line  
6 &c.*

## Page 5 Omitted.

Page 6 First eight lines omitted.

*Page 11 line 11 &c.*

## Page 7

Line 20 "licensees of the" omitted and "or any of them" omitted.

*Page 11 line 14*

Line 21 "in the manner hereinbefore provided for" inserted before "The Light Company."

## Page 8.

Line 8 "and the terms of this contract" inserted before "in view."

*Page 12 line 5  
&c.*

Line 14 "The Light Company in accordance with the notices herein referred to" inserted before "and acting."

*Page 12 line  
17.*

Line 15 "to comply with covenants and agreements of this contract" inserted before "by the."

*Page 12 line 27*

( 2 )

P a g e 9.

First line omitted.

*Page 15 - line 22*

Line 15 "provided the notices herein referred to are given" inserted before "to fail" and "of standard lamps needed for actual consumption" inserted before "any one or more" omitted.

P a g e 10.

*Page 17 line 8*

Line 11, 12 and 13 omitted partially.  
Line 19 "after reasonable notice to do so" inserted after "Company."

*Page 17 line 14*

Line 22 "but the Lamp Company shall not perfect any rights acquired under this contract & if the Light Company shall fail in giving the notice required herein" added to end of Section 8.

P a g e 11

*Line 26 of*

Line 1 "to the same extent as if they were originally included herein" at end of line inserted.

*Page 17*

Line 3 "Lamp Company or any member thereof" substituted for "Edison or any of his associates above named."

*Line 28 of*

Line 11 omitted "or any member thereof" substituted

*Page 18 line*

Line 14 "provided it or they can reasonably do so without detriment to its business interests" inserted before "Prompt Notification."

*14 " " line 21*

S e c t i o n 10 omitted.

P a g e 12 omitted to "In Witness Whereof" &c

P a g e s 19 & 20 in the written copy also entirely different from the last page of the printed copy as to construction &c.



THE EDISON ELECTRIC LIGHT CO.  
3 BROAD STREET.

New York, October 30th, 1880.

The annual meeting of the Stockholders of the Edison Electric Light Company, for the election of thirteen Trustees to serve for the ensuing year, and for the transaction of such other business as the Stockholders may deem necessary, will be held at the office of the Company, No. 3 Broad Street, New York, Thursday, November 11th, at twelve o'clock, noon.

The transfer books will close at 2 P. M., Nov. 4th, and re-open at 10 o'clock, A. M., December 1st, next.

By order of the Board of Directors.

C. GODDARD,  
Secretary.

THE EDISON ELECTRIC LIGHT COMPANY,

3 BROAD ST., (Invest Building)

New York, October 30th, 1880.

SIR:

Referring to enclosed notice of a Special Meeting of the Stockholders of this Company to be held on the 30th of November next, for the purpose of voting upon a proposition to increase the Capital Stock of the Company to \$480,000, I enclose herewith a proxy to vote at said meeting, which please sign and return in the enclosed envelope, that if you cannot personally attend the meeting your stock may be represented thereat.

Very Respectfully,

Your Obedient Servant,

C. GODDARD,

Secretary.

THE EDISON ELECTRIC LIGHT CO.,

3 BROAD STREET, (Invest Building).

New York, Oct. 30th, 1880.

*A Special Meeting of the Stockholders of the  
EDISON ELECTRIC LIGHT COMPANY  
will be held at the office of the Company, No. 3 Broad  
Street, New York, on Tuesday the 30th day of November,  
at 12 o'clock noon, for the purpose of voting upon a propo-  
sition to increase the Capital Stock of the Company to  
\$480,000. The polls will be open from 12 o'clock noon,  
to 1 o'clock, P. M.*

TRACY R. EDSON,  
E. P. FABBRI,  
JAMES H. BANKER,  
R. L. CUTTING, Jr.,  
H. VILLARD,  
J. O. GREEN,  
R. M. GALLAWAY.

*A Majority of  
Trustees.*

①

(Nov. 4) '80

New York 6

St. Edison no

expect Mr Lowrey and

myself Monday eleven

oclock train 10 Station

9 Paid  $\frac{m}{\$}$  6.25 pm

THE EDISON ELECTRIC LIGHT CO.

2 BROAD STREET

NEW YORK, N. Y.  
1880

Nov 11 1880

Dear Sir

I take pleasure in notifying you of your election as a Trustee of this Company for the ensuing year.

A meeting of the Board for the election of Officers & for the transaction of business will be held tomorrow Friday at 2 1/2 P. M. at the office of the Company.

Very Respectfully,

C. Townsend

620  
Nymans  
Gordon  
Nov 1880

NY  
Friday, Nov. 12<sup>th</sup> 1880

Dear Mr. Edwin, the Secretary  
of the meeting of Trustees of  
Y. E. Legal Co held today, I  
was instructed to advise you of  
a resolution then passed & the  
effect that the Executive Committee  
do request, that Mr. Edwin  
do attend the meeting of the  
Trustees of the Company with  
him as to discuss & be  
taken for bringing the Company  
before the public.

The Committee will convene  
at 10 o'clock tomorrow  
morning about 10 o'clock.

The resolution also requests  
the Sec. to request Mr. Edwin  
to have Mr. Wilson present  
at the same time.

I am sorry that I do not  
notify you, at the moment,  
that I have not yet made  
up my mind. It shall be sent to you

Amend on, man says  
with best wishes,  
Dincerely yours  
G. W. Jones

346 Broadway,

New York, 15<sup>th</sup> Nov 1888

Dear Sir -

Mr Lowrey has been ill  
all the week, but now expects  
to go to Menlo Monday on  
eleven o'clock train,

Did you see Cook & Co's  
Post on Maxwell's light?

Sincerely yours

To

T. A. Edison Esq.

S. P. Bates

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company transmits and delivers messages only on conditions, limiting its liability, which have been sanctioned by the order of the following message, to the sending station the respective management will not be held liable for errors or delays in transmission or delivery of telegraphed messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. N. BIRKHEAD, Sec'y.

NORVIN GREEN, President.

Dated New York Nov 15th 1880

Received at MENLO PARK N.J

To J. A. Edison

READ THE NOTICE AT THE TOP.

Executive Committee  
Come down this afternoon  
would like to meet Wilber  
New -  
G. W. Surran  
12 point

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company transmits and delivers messages only on conditions, limiting its liability, which have been sanctioned by the order of the following message, to the sending station the respective management will not be held liable for errors or delays in transmission or delivery of telegraphed messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. N. BIRKHEAD, Sec'y.

NORVIN GREEN, President.

Dated Jerrytown W.V. Nov 15th 1880

Received at MENLO PARK N.J

To Thos A Edison Esq

READ THE NOTICE AT THE TOP.

I have been ill at home for ten days, was out yesterday and expected to go to Menlo Park today but am worse and cannot - will see you the first day I can be about. Perhaps in order to arrange contracts and various other things you can come up here some day. arrange with Goddard

Ed. Lowrey

53 St.

Menlo. N.S.



Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND RECEIVES MESSAGES only on condition, limiting its liability, that the same be dictated and sent by telegraph in accordance with the working rules for the completion of messages. The Company will not be held liable for errors or delays in transmission or delivery of telegraphed messages in an emergency message and is delivered by request of the sender, under the conditions stated above.

A. B. BIRKBECK, Engr.

NORVIN GREEN, President.

Dated New York, Nov. 16<sup>th</sup> 1880

Received at MENLO PARK N.J.

To Thomas A. Edison

READ THE NOTICE AT THE TOP.

Will you go tomorrow  
to Barrytown by Eleven o'clock  
train with your Eaton,  
whom will you meet  
him - dont fail to answer

P. S. R.

33 paid

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.  
A. B. BIRKBECK, Engr.

NORVIN GREEN, President.

Dated New York 16 1880

Received at N.Y.

To T. A. Edison

Menlo Park

READ THE NOTICE AT THE TOP.

Can you arrange  
to go with Eaton to  
Barrytown by Eleven  
train tomorrow

Soren

13 paid you 312 pm

Insurance of go  
we are working myself  
A day here

11 collect

THE EDISON ELECTRIC LIGHT CO.,

4 BROAD STREET.

JOHN G. BROWN, Pres.  
E. M. HALLIDAY, V. Pres.  
E. P. FARMER, Treas.  
C. GOODRICH, Sec'y.

New York, Nov 10 18 92

Dear Sir

An adjourned meeting  
of the Directors of the Edison Electric  
Light Company will be held at  
the office of the company at 30

50 Ave.

Yours Respectfully

C. Goodrich Sec'y

100th address  
of  
Museum of  
City of  
New York  
1880

346 Broadway,

New York, 19th Dec 1880

Dear Sir -

Can you furnish me with  
the address of Chester W. Ponds,  
of this City: the inventor of im-  
provements in electrical signalling  
apparatus -

I saw your interview in the  
last days Herald. You rather went  
for Maxim, I am glad of it.

To  
The Editor of  
The Herald  
Very truly  
Yours  
L. A. Colver

678  
24

N.Y. Nov 21, 80  
George N. Edison  
a Nov 21 80

195 Broadway  
New York Nov 20, 1880

My Dear Mr. Edison

I yesterday received from you the "Plans" for laying Wires in the Streets, for which I thank you - A Committee has been appointed, of which I am Chairman, to take measures to obtain permission to lay Wires and Tubes for conveying Electricity for illuminating the City of New York, and as a preliminary step, I have today called upon the Commissioner of Public Works, Allan Campbell Esq. with whom I am acquainted, and stated my desire that he should visit Menlo Park, with me as soon as you are ready and see you and the Light as I saw it the other evening, in a private and quiet way, before any public exhibition or announcement is made, as he could have a better opportunity, in that way, to examine into and judge of the merits of the system.

He said he took great interest in the subject, and should be much

pleased to visit you, and to see  
the light, and would go at any  
time; if I would give him a  
day or two's notice beforehand,  
of the time when you would be  
ready to see him and show the  
light. He also asked if he could  
bring Mr. W. C. Cormick, Superintend-  
ent of Camp & Gas, to which  
I assented.

Now as I think it would be  
a great assistance to us in getting  
the rights we desire if these Gentles  
men should be favorably impressed  
in regard to our light, I would like  
it very much if you would make  
arrangements to exhibit it to them  
in the manner above indicated,  
as soon as you conveniently can,  
and if you will advise me two  
days before the time when you  
will be ready, I will notify Mr.  
Campbell, and bring him out

to see you, — should say how you can be  
ready next week, and if not, I would suggest  
Wednesday Dec. 14 or Friday Dec. 3<sup>rd</sup>  
Please have Mr. Kirkpatrick inform me of  
either of these days will visit you, and if not,  
say when you will be ready, and I will  
be prepared accordingly.

Very truly  
Ours,  
Henry A. Watson

Blank No. 1.

## THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, that the same shall be sent at the expense of the sender, and that the sender shall be responsible for the accuracy of the message, and the Company will not hold itself liable for errors or omissions in delivery of non-registered messages.

This message is an UNREGISTERED MESSAGE and is delivered by request of the sender, under the condition named above.

A. R. BREWSTER, Sec'y.

NORVIN GREEN, President.

Dated New York Nov. 26<sup>th</sup> 1886

Received at MENLO PARK N.J.

To Mr. Casman

READ THE NOTICE AT THE TOP.

Ask Edison and  
let me know in the  
morning if the Engine  
will run Sunday evening  
for cutting & fixtures to  
see light. They will arrive  
soon thirty

Griffin

6th  
My Nov 26 56  
Station  
News

Nov. 26, 1956

Bill

Dear Bill -

Your feature interview  
is capital. Tone and  
letter, both good. If  
Maxim people are buying  
& sell stock, your

stake out will hurt  
them. I have heard several  
speak of it, I am =  
glad that you in your  
success is an inter-  
view or, rather, is  
an interview.

I am just starting

you have been to - please the night with  
the energy, and is with 'engine of last  
shall be back tomorrow, and will  
stay in on you early next week.

For the last meeting, for the last time  
Yours truly  
R. A. Fisher



The Gold and Stock Telegraph Co.,  
WESTERN UNION BUILDING,

195 Broadway

New York, Nov. 27<sup>th</sup> 1880

My Dear Mr. Edison

I duly rec. your favor of 23<sup>rd</sup> inst.  
and to-day Mr. Goddard informs me that you  
prefer that Mr. Campbell & Mr. M. Cornick  
should come on Wednesday next, Dec.  
1<sup>st</sup> and I have since seen both of  
the Gentlemen, and they have agreed to  
come by the 3 P.M. Train on that  
day, expecting to return by the  
6 P.M. train, and as Mr. Goddard in-  
forms me that you kindly offered  
to entertain the Gentlemen at your  
house, I beg to suggest that you  
arrange it so that we can return  
by that train, — I want to give  
you and Mr. Edison so much trouble  
but hope you will excuse it in view of its  
importance, Very truly yours  
Nancy N. Edison

*file*

Tarrytown, Nov. 28th 1880.

My dear Edison.

The luck seems badly against me in respect to going out to see you. You know perhaps that I have been confined for more than three weeks to the house, except last Monday, when I went to New York for the almost single purpose of visiting you on Tuesday; but on Tuesday morning I found it prudent to get back as soon as possible, and I have been in bed until yesterday (Saturday) evening. Now I expect to be down town again this week.

I have various topics to discuss with you.

Maxim. )

It is a good "Maxim" not to crow until you are out of the woods; and that is all I have to say about Maxim. I am informed that Dr. Lugo says that more than two years ago he had exactly what Maxim's patents describe in respect to the use of hydro carbon, and as I understand from Mr. Kent he proposes now to ask for a patent in precisely the language of Maxim.

Fabbri. ) I enclose a copy of a letter from Mr Fabbri of  
 Fabbri & Chauncey, and a copy of my answer, as the  
 shortest way to explain that subject. He will no  
 doubt go out to see you about India, and we must  
 put that matter straight as soon as possible. The  
 same should be done in respect to all the other coun-  
 tries.

Eaton. ) I am anxious to have Eaton in the Board, and  
 my intention was to propose on the day of the elec-  
 tion that he should be elected in the place of a  
 gentleman who has but a small interest and whose  
 presence there is of no importance; but on Election  
 day I was sick, and could not do so.

There is a little bit of small jealousy about  
 Eaton in the Board; chiefly on the part of one gen-  
 tleman with whom it is purely technical. He does  
 not like to hear of Mr. Eaton's being consulted about  
 anything, because he says Mr. Eaton is not officially  
 connected with the company. Probably you and I real-  
 ize more fully than any body else, that some one is  
 needed who will give his entire time and brain to the

business now on hand. My first business when I get out will be to see how a vacancy can be made and I must ask your co-operation in getting the Board to elect Eaton.

Goddard is a little sensitive about Eaton going in and does not, I think, take quite the right view of the field which is to be occupied.

I have asked Howard Butler, who is now studying law, to come into our office and make a special study of infringements as collateral to Mr. Wilber's investigations.

I think you desired to retain Causton Browne also, and I am in favor of that, now that we have funds for such expenses.

What do you think of retaining Storrow, the Bell Telephone man?

I hope I shall see you about Wednesday or Thursday.

Yours truly,

*J. P. Lemay*  
*14*

Enclosures, )  
Copies of two letters.)

THE EDISON ELECTRIC LIGHT CO.  
BRIDGE STREET

NOVIN GREEN, Pres.  
H. M. GARDNER, V. Pres.  
H. P. GARDNER, Sec.  
& Treasurer

December 10<sup>th</sup> 1886

*per C. S. J.*  
Thomas W. Edmont  
My dear Sir:

The proposed  
Contract with the Buckeye  
Engine Co. has been sub-  
mitted to the Executive  
Committee and by it  
approved. The officers  
of the Company will  
execute the same whenever  
the form of contract and  
specifications receives  
Your approval.

Yours truly  
C. Gardner

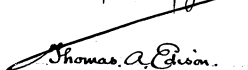
Memo Park N.Y.  
Dec 13 1886

To The Edison Electric Light Co.

My occupations here prevent me from attending the meetings of the Board and I think it will be for the interests of the Co that I should resign as a director and that you should elect Major Sherburne B Eaton in my place, I have great confidence in Major Eatons capacity and I do not doubt the Board will concede the propriety of my naming my successor. I suggest that the transaction of the Companys business will be made more easy

and systematic by creating the office of Electrician, and for the present you may perhaps think me competent for the place; at any event there need be no salary attached to the office until further notice,

Very Respy Yours,

  
Thomas A. Edison.

THE EDISON ELECTRIC LIGHT CO.,

2 NASSAU STREET,

JOHN G. GALEY, PRES.  
H. M. GALLAWAY, V. PRES.  
R. P. FARRIS, TREAS.  
C. CHAMBERLAIN, SEC'Y.

New York, December 15 1880.

My dear Edison,

Enclose rough draught of a letter addressed to the Hon. John J. Morris which it is considered desirable for you to write and sign, to be used with him for the purpose of securing the right to lay poles and wires in the whole City of New York. As it is important that we should have this paper to use tomorrow I send it to you by Mrs. Tracy, who will bring it back to me this evening.

Very truly Yours  
Edward J. Fey  
E.M.A.

THE EDISON ELECTRIC LIGHT CO.,  
3 BROAD STREET.

NEWTON GREEN, ENG.  
R. M. CHALMERS, T. ENG.  
E. F. FARRIS, TRAN.  
C. COLEMAN, BERT.

New York,

December 15, 1880

Hon. John J. Morris,  
President of the Board of Aldermen.

Dear Sir:

Learning from Major Taylor that you expressed an unwillingness to vote for the passage of a resolution granting permission to the Edison Electric Light Company, to lay its pipes in the City of New York, would it had demonstrated the practicability and advantages of the system under a resolution passed for that purpose two years ago. I beg most respectfully to say that the reasons I did not avail myself of the permission granted to make an experiment in the City of New York were, my shop and laboratory had been previously established at New York where I had abundance of room & trained assistants and where I could elaborate the experiment much more satisfactorily and cheaply than I could possibly have done in the crowded streets of New York. You can readily understand that such a work as I have been engaged in for the past two years must necessarily have been in its earlier stages largely experimental, requiring constant changes to adapt the system to the developments that occurred



THE EDISON ELECTRIC LIGHT CO.,  
8 BROAD STREET.

NEW YORK OFFICE, 70 WALL STREET,  
R. H. BASLER, V. PRES.  
E. P. FARMER, TREAS.  
C. GOSBARD, MGRY.

New York,

18

2

from time to time and had I undertaken the experiment in the City, must have resulted in great inconvenience not only to me but to the public, in frequent disturbance of the streets in laying and changing of the necessary conductors. More than a year ago I had so far completed my experiments that I was enabled to satisfactorily demonstrate the efficiency of my system of lighting and am now ready to introduce it practically in New York & elsewhere. It is for this purpose I desire the permission for which our Company is about to make application and as a considerable amount of capital must be invested it is desirable that the Company have something more than a mere permit, revocable at pleasure.

I should be very much pleased to confer with you personally upon this subject and to that end would be glad if you would name an early day when you would visit me at Central Park that I may show you the system at work here and give you full information in regard to the plans of the Company for introducing the light in the City of New York & I have no doubt that I can rely

THE EDISON ELECTRIC LIGHT CO.,  
8 BROAD STREET.

NEW YORK OFFICE, 70 WALL STREET,  
R. H. BASLER, V. PRES.  
E. P. FARMER, TREAS.  
C. GOSBARD, MGRY.

New York,

18

3

on your hearty co-operation in a work of so much importance to the City.

John K. Porter.  
Governor El Lawrey.  
Gen. Wales Haren.  
Chas. Francis Stone.  
Gen. S. Hamilton.  
Wm. L. Porter.

P. O. Box 1836.

*Porter, Lowrey, Loren & Stone*  
*Attorneys & Counsellors at Law*  
*No. 3 Broad St. New York.*

D e c. 16, 1890. ~~---~~

My dear Edison:

Some one said in the office to-day that you were going to light five hundred lamps on Sunday night. If there is to be anything burning on Monday, I should like to come down with Mr. Navarro and his friend, Mora. They are new in correspondence with people in Cuba and are proposing that they should come on to see the light for themselves. There is a strong inquiry from Cuba, and I should not be surprised if that would show a profitable business sooner than any other country.

Very truly yours

*W. P. Lowrey*

John K. Porter,  
Governor of Lowry,  
Geo. Walter Stern,  
Chas. Francis Stern,  
Geo. S. Hamilton,  
Wm. L. Porter.

P. O. Box 1836.

*Porter, Lowry, Stern & Stone,*  
*Attorneys & Counsellors at Law,*  
*No. 3 Broad St. New York.*

D. c. 17, 1890. 74

My dear Edison:

I shall not present your letter of resignation as Mr. Fabbri very strongly objects to your leaving the Board. His expression was that "Edison's name is a tower of strength to us, and if he never attended a meeting, it would be a great loss if his name should not appear at all times among the names of the Directors." As soon as the matter was put to me in that way, I confess I saw it in the same light. I, therefore, mustered up courage to go to another Director, who has promised to resign. The reason I did not go to him before was that I have had some unpleasant business relations with him and was afraid he would have thought me actuated by some spite to him.

We yesterday organized and filed the articles of association of the "Edison Electric Illuminating Company of New York," under the general gas company act of this state, stating the object of the organization to be to illuminate the streets, &c. by gas. We have to state this as the object in order to perfect a legal incorporation, but every gas company has by law, after it is

organized, the right to turn itself into an Electric Light Company, and we have prepared a long ordinance to be submitted to the Common Council if we are so advised, granting us the franchise to lay down wires over the entire city.

I was told yesterday that Mr Hyde claims that they can make their lamps for ten cents each, and that they can burn ten per horse power. The size of the conductor was not stated.

Yours very truly

T. A. Edison, Esq.

Enclosed is copy of the proposed ordinance, which we shall introduce on Tuesday & I suppose will explain all the rest.

PRIVATE.

New York, Dec. 18<sup>th</sup> 1880.

Dear Sir:

I shall be very glad to see you, with other members of  
the City Government, at Menlo Park on Monday evening <sup>Decem 20<sup>th</sup></sup> ~~at~~  
~~at 8 o'clock~~ to witness an exhibition of Electric Lighting and also  
the various operations <sup>connected therewith</sup> which are being carried on in my Laboratory  
and shops, <sup>in the production of a</sup> with a view to make a perfect light, adapted to ordin-  
ary domestic use. <sup>& Commercial</sup>

This is in no sense a public exhibition; however, but  
every facility will be afforded <sup>however</sup> to invited guests to see all that  
is involved in the manufacture of the lamps and the production of  
the light.

The train leaves Courtlandt Street Ferry at 4:30  
o'clock and returns from Menlo Park at 9:30 o'clock.

Very respectfully yours

*Thomas A. Edison*

To

John K. Porter.  
Gerrit H. Lowrey.  
Gen. Walter Stone.  
Chas. H. Davis Stone.  
Gen. S. Hamilton.  
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Stone & Stone,  
Attorneys & Counsellors at Law,  
No. 3 Broad St. New York.

Dec 18 1886

To J. A. Edison:

Dear Sir,

This is to inform you that the Articles of Association of the Edison Electric Illuminating Company of New York have been duly filed, and that it is important that the Directors named in the certificate should assemble as early as possible to elect officers, as important business, now under negotiation, requires that the Company should be represented. You are invited, therefore, to meet the other directors, at my office, on Monday the 20<sup>th</sup> inst. at 11.30 A.M.

Yours very truly  
C. P. Lowrey.

file



T. A. EDISON,

Menlo Park, N. J.,

Dec. 21<sup>st</sup> 1880.

Q. Goddard, Esq.  
Sec. of the Edison Electric L. Co.  
Dear Sir,

The contract  
as drawn between the Pac-Kay  
Engine Co. of the 1<sup>st</sup> part  
and the E. E. L. Co. of the  
second part is approved  
by me as covering all essential  
points and I do affirm that  
an engine which will fulfill  
the requirements as stated  
in this contract will prove  
in every way satisfactory for  
running the Edison dynamo  
electric machine.



John E. Porter,  
Governor E. Leary,  
Geo. Wales Stone,  
Chas. H. Smith,  
Geo. S. Hamilton,  
Wm. L. Porter.

*Porter, Leary, Stone & Shaw,*  
*Attorneys & Counsellors at Law,*  
*No. 3 Broad St., New York.*

P. O. Box 1836.

D. c. e. 21, 1880.

My dear Edison:

*File*

I said this morning I was going to draw the Lamp Manufacturing Contract, but when I sat down to it I was reminded that I had previously found myself lacking in proper information and that I had asked you the last time I was at Menlo, to make an outline draft of it for me. Can you do that? My impression is that the Company cannot give itself away upon the manufacture of its Lamps by putting it out of its power, in case it should be dissatisfied, to make them for itself or for others to make them. The best which can be done with such an arrangement is to make it to the mutual profit of each party to continue the arrangement. You will remember Mr. Goddard's plan of an adjustable scale of prices, by which you were to have a larger pro rata of profit as the cost to the Company went down. He can draw that clause more satisfactorily than any one else probably and I will ask him to do it and will send it to you.

The Ordinance was referred to-day to the Law Committee

2

of the Board of Aldermen and goes over until next week. Perhaps we shall not get the franchise from this Board as their time is so short.

Very truly yours

T. A. Edison, Esq.

*H. P. Love*

Form No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and RECEIVES messages only on condition, limiting its liability, which has been expressed in the number of the following certificate.

A. B. BREWER, Secy

NOBVIN GREEN, President.

Dated New York Dec 23 1879

Received at St. Louis

Wm. D. Edison  
mens. Pask

READ THE NOTICE AT THE TOP.

*We intend coming tomorrow  
night don't fix day  
for public exhibition  
before I see you  
at any rate don't  
make it Friday*

*E. P. Hobbie*

*W. D. H. aus*

*Hof*



DEPARTMENT OF PUBLIC WORKS,  
**Bureau of Lamps and Gas,**

Room 44, City Hall, 51 Chambers St.

New York, December 27<sup>th</sup>, 1890.

C. Goddard, Esq.,  
Genl Edison Electric Light Co.  
Dr. Sir

If you will see in my Report of Decbr. 31, 1890, reference was made to the Electric Lamps and machines of that time, and principally to the "Arc" light. Since then, however, improvements have been made in Dynamo Machines and Lamps and their use has been greatly extended, and, I believe that Mr. Edison has solved the problem of the Incandescent light. I therefore propose in my Report for the Quarter ending December 31, instant, to note the advance made in the system of Electric Lighting and desire especially to refer to the Incandescent system of Mr. Edison.

I will therefore be obliged, if you will obtain for me the necessary memorandum information from Mr. Edison or from some of his Associates, giving as far as possible, a complete description of his system, the lamps, the carbons, from the bamboo to the carbonizing of the same, obtaining the vacuum, description and size of the

large Dynamo machine he is now constructing, the number of lamps it is calculated the machine will supply, and the horse power calculated to run it when working up to its full capacity, with number of revolutions per minute, his method for lighting and turning off different circuits, and regulating the current when a number of lamps are turned off on a circuit, also for determining any break or accident on a circuit, also a description of his Meter for measuring the amount of electricity or light used. And any other data which may be of interest.

If he has wood cuts of the Lamp, Machine, Meter, etc., I should like to show them in my report.

Very Respectfully, Yours, &c.,

J. Mc Cormick

Supt Lamps & Gas.

THE EDISON ELECTRIC LIGHT CO.,  
5 BROAD STREET.

JOHN G. GREEN, Pres.  
J. W. MCGRAW, V. Pres.  
W. H. WATSON, Treas.  
G. OSBORN, Secy.

New York, *December 27* 188*0*.

*Saml. T. Wood Esq*  
*No 69 William St*  
*Room 4. S. T. 6 -*  
*New York*

Thomas A. Edison, Esq.

My dear Sir:

This will introduce Mr. A. T. Woodward who has been sent to me by Dr. Green to show a patent insulating material which he is introducing. Please look into the matter and see whether it would be of advantage to our Company to use it.

Yours truly,

*G. Osborn*  
*Secy*

THE EDISON ELECTRIC LIGHT CO.,  
3 BROAD STREET.

MORTON GREEN, Pres.  
R. M. GALSWAY, V. Pres.  
H. F. PARSONS, Treas.  
C. G. BROWN, Secy.

New York, *December 29<sup>th</sup> 1880*

Thos. Edison Esq  
Minto Park

My dear Sir

This will introduce  
Mr Martin Green, brother  
of my friend Hon. Andrew  
W. Green. Mr Green takes  
great interest in the work  
you are doing and I  
shall be glad if you  
will give him an oppor-  
tunity to see the results  
of your labors.

Very truly yours,

Edison

THE EDISON ELECTRIC LIGHT CO.

8 BROAD STREET

THOMAS EDISON, Pres.  
J. M. BARKER, V. Pres.  
J. P. FARRIS, Treas.  
J. EDISON, Secy.

New York, *Dec 30* 1880

*file*

Thomas A. Edison, Esq.:

My dear Sir:

Notwithstanding all that has been written on the subject of Edison lighting and our system in particular, the general public seem to have a very incorrect notion of what it is we propose to do. A large number of letters are received asking information which could well be answered by a printed circular giving a brief description of the system, how the light is produced, how managed and how used. Something of this sort would be extremely useful, not only as a means of answering correspondents but to combine with other information in respect to the organizing of companies, granting of licenses etc. which we must shortly issue to send to parties whose applications are on file & who have been promised information when the Company was ready for business. Will you kindly

THE EDISON ELECTRIC LIGHT CO.

3 BROAD STREET

Special Delivery, Free  
New York, N. Y.  
E. P. SANDS, Vice-P.  
C. DESSAULT, Secy.

New York,

#2  
T. E. E.

19

allow Mr. Clark or Mr. Upton, or both, under your direction to prepare the material for such circular making it as brief as the subject will allow simply giving a general idea of the system, and send it to me as soon as possible.

We had quite a satisfactory meeting of the Executive Committee today at which I represented your views as expressed yesterday & measures have been taken to perfect our Company organization for active business.

Very truly yours,  
C. Hayward

The circular should include

Lighting for cities & towns

Lighting Factories & detached buildings already supplied with power

Lighting Steamers



THE EDISON ELECTRIC LIGHT CO.,  
3 BROAD STREET,

MORTON GREEN, PRES.  
D. M. HALLAWAY, V. PRES.  
E. J. FARRIS, TREAS.  
O. GODDARD, SEC'Y.

New York,

Dec 31<sup>st</sup> 1880

Mr. A. Edison Esq.  
Dear Sir:

This will introduce  
Mr. A. M. Davies of  
Lynchburg, Va who is  
the representative of  
a Company organized  
some time ago with  
the intention of securing  
our system for that  
City. Please give him  
an opportunity to  
see the workings of  
the system.

Yours truly  
C. C. Conner

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the communication. Service can be guaranteed only by depositing a message with the sending station for transmission, and the Company will not be held liable for errors or delay in transmission or delivery of communications.

This message is an UNRECORDED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. R. BREWER, Sec'y. *Y* NORVIN GREEN, President.  
Date: *New York 19* 188*0*

Received at *Y*  
to *J. T. Edison*

*Mutuality*

READ THE NOTICE AT THE TOP.

*I hope you will be able to come in to directors meeting of light co. tomorrow come and see me first*

*J. P. Lowry*

*215 N. Street No 353pm*

(1880)

*NY 19 (Novi?)*  
*J. T. Edison*

*Lowry telegraphs he does not think it prudent for him to go to Meads Saturday will try to do so Monday*

*Goddard*

(Edison E. L. G.) (1880)

C. G. Clark

of Goddard

23 Grace St

N.Y.

Call and see Buckeye  
they have contract  
signed

7 a Edison

Plmt from Stefan

2- New York 27

S. J. Griffin M.D.

Have sold two at your last summit  
will not come until middle of week

C. Goddard

is called

**1880. Electric Light - Edison Electric Light Company of Europe, Ltd. (D-80-024)**

This folder contains correspondence, articles of incorporation, and other documents relating to the establishment of the Edison Electric Light Company of Europe, Ltd. Formally incorporated in New York in 1880, the company held control of Edison's electric light patents in all the countries of Europe except for the United Kingdom. Related material can be found in D-80-026 (Electric Light - Foreign).

All the documents have been filmed except for duplicate copies of correspondence.

State of New York,

OFFICE OF THE SECRETARY OF STATE,

ss:

(Under page)

Dec. 23,  
1880

31-12880

40110

It is hereby Certified that an original certificate for the formation of a corporation in the class of limited liability corporations, under the corporate name of The Edison Electric Light Company of Europe Limited

was filed in the office of the Secretary of State, under Chapter 611, Laws of 1875, entitled "An act to provide for the organization and regulation of certain business corporations," on the second day of January 1880 and that the following is a true and correct copy of said original certificate (the same having been compared with said original) and of the whole thereof.

State of New York

City and County of New York } 55

We James H. Bauer, a citizen and resident of Irvington in the State of New York; Robert K. Cutting; Robert L. Cutting Junior; and Walter K. Cutting, who are severally residents and citizens of the City of New York in the State of New York; and Stockton D. Sheffens, a citizen and resident of Monte Park in the State of New Jersey; do hereby certify that we propose to form a corporation under the provisions of an Act of the Legislature of the State of New York, entitled "An act to provide for the organization and regulation of certain business corporations" passed June 21, 1875, and the acts additional thereto and amendatory thereof; such corporation to be of the class of limited liability companies provided for by the thirty third section of said act of June 21, 1875, and accordingly, in pursuance of the provisions aforesaid, we do further certify as follows, to wit:

First: The names of the proposed

corporation is to be "The Edison Electric Light Company of Europe Limited"

Second: The objects of the proposed corporation and the nature of its business are to be respectively the acquiring, operating, selling and licensing the use of inventions and apparatus for producing light, heat or power by electricity, and Letters Patent of European Countries therefor; and the doing of such other business as is incidental to the objects and business aforesaid,

And the locality of the business of the proposed corporation is to be chiefly at the City of New York, in the State of New York, but also in such Countries of Europe as may be necessary for effecting the objects aforesaid or any of them.

Third the capital stock of the proposed corporation is to be Two millions of dollars.

Fourth. The number of shares of which such capital stock is to consist is to be twenty thousand of the par value of one hundred dollars each.

Fifth. The location of the principal business office of the proposed corporation is to be in the City of New York in the State of New York.

which such capital stock is to consist is to be twenty thousand of the par value of one hundred dollars each.

53-12880

Fifth. The location of the principal business office of the proposed Corporation is to be in the City of New York in the State of New York.

Sixth. The duration of the proposed corporation is to be fifty years.

In witness whereof we have hereunto set our hands at the City of New York this nineteenth day of January in the year 1880.

James M. Banker

R. L. Cutting

R. L. Cutting Jr.

W. L. Cutting

Stockton L. Griffin

State of New York }  
City & County of New York } ss.

On this 19<sup>th</sup> day of January in the year 1880, before me personally came James M. Banker, R. L. Cutting, R. L. Cutting Jr. and W. L. Cutting, to me severally personally known and known to me to be the same persons described in and who executed the foregoing instrument and they severally acknowledged to me that



they executed the foregoing instrument,  
and for the purposes therein mentioned, and  
the said James H. Baker, R. L. Culling,  
R. L. Culling Jr. and W. L. Culling, being  
by me severally duly sworn, did each  
for himself depose and say that at the  
time of signing the foregoing Certificate  
he was and now is a citizen and res-  
ident of the State of New York.

Seal

Randolph Huron  
Notary Public  
N. Y. Co.

State of New York

City & County of New York

} ss:

On this 20th day of January  
in the year 1880, before me personally appeared  
Stockton L. Shuffin to me personally known and  
known to me to be the individual described  
in and who executed the foregoing instrument,  
and acknowledged that he executed the same  
for the uses and purposes therein mentioned.

Randolph Huron  
Notary Public  
N. Y. Co.

And it is further hereby Certified, That upon the filing of  
said Certificate, of which the foregoing is a true and correct copy, on the  
2nd day of January 1880, as aforesaid, a license  
was issued by the Secretary of State pursuant to said act to the said

And it is further hereby Certified, That upon the filing of said Certificate, of which the foregoing is a true and correct copy, on the 2nd day of January 1880 as aforesaid, a license was issued by the Secretary of State, pursuant to said act to the five persons named in and who made and acknowledged said certificate, empowering them as commissioners, to open books for subscriptions to the Capital Stock of said proposed corporation, at such times and places as they might determine.

And a verified record of the proceedings of said commissioners, having this 23rd day of December 1880 been filed in the office of the Secretary of State, containing a copy of the subscription list to the Capital Stock of said proposed corporation, together with a copy of the By-Laws for said proposed corporation, adopted by the subscribers to said Capital Stock at a meeting of said subscribers held at 1019 William Street in New York City

on the 18th day of December 1880, pursuant to the provisions of said act, as appears from said verified record aforesaid, at which subscribers' meeting as aforesaid, five directors (being the number provided for in the said By-Laws of said proposed corporation) were also chosen, whose names as further appears from said verified record of proceedings, filed as aforesaid, are as follows, to wit:

- Thomas A. Edison
- James W. Barker
- Dwight L. Griffin
- Robert L. Galling
- Fredrick W. Foote

Now, Therefore, I, Anson D. Wood, Secretary of State, do hereby certify that said corporation, to wit: The Edison Electric Light Company of America Limited is fully organized in accordance with said act, Chapter 611, Laws of 1875; and that all the provisions of said act have been duly observed in the organization of said corporation as herein above set forth.

Witness, my hand and the seal of office of the Secretary of State, at the City of Albany, this 23rd day of December 1880.

[L.S.]

Anson D. Wood  
Secretary of State.

Filed and recorded Dec 23, 1880 and agrees with the original as compared therewith by me.

Anson D. Wood  
Deputy Secretary of State

for

State of New York, } .S.S.

OFFICE OF THE SECRETARY OF STATE }

I have compared the preceding copy of Certificate of Incorporation with the record thereof remaining in this office, in Book entitled "Record of Incorporations," number 2, at page 581 and I do hereby certify the same to be a correct transcript therefrom and of the whole thereof.

Witness my hand and the seal of office of the Secretary of State, at the City of Albany, the twenty fourth day of January one thousand eight hundred and eighty seven.

Richard H. Howell  
Secretary of State.

Answered by Banker

Form No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting the liability, which have been assumed to by the sender of the following message.

A. R. BREWER, Secy. WILLIAM ORTON, Pres't.

Date: New York 1/10 1880

Received of Mr. J. P. Morgan

READ THE NOTICE AT THE TOP.

Have endeavored to the  
Banker cannot get at  
him. In Electric Company  
for Europe organized yet  
if not when will it  
it be. Cannot find  
any body give me  
information. Has tele. phone  
stock been issued kindly  
reply  
A. Hedgcock  
344 paid

T. A. EDISON,

Menlo Park, N. J.,

Jan 20 1880.

Received from Thomas  
A Edison Seven hundred  
and fifty dollars being  
5 <sup>of share</sup> % <sup>of share</sup> now stocks and all  
regards European Light stocks

Francis R. Mpton.

The Emigration Co for which the light is in an  
entirely new state, touching will be done  
P. O. Box Burrill, Davison & Burrill,  
1881, any one for several weeks  
Att. <sup>of</sup> <sup>the</sup> <sup>Attorneys</sup> <sup>&</sup> <sup>Commissioners</sup> <sup>at</sup> <sup>Law</sup>  
John C. Burrill, 68 & 70 William Street  
Charles C. Davison, 21 by 21 2 1/2 by 2 1/2  
George F. Burrill, New York Feb 27 1880.  
George F. Burrill  
response & parties.

Dear sir:

A company of Italian gentlemen, of the highest position, are contemplating the introduction of your electric light into the Kingdom of Italy. They wish to obtain, in the first place, complete information on the subject; and then, if they be satisfied with the result of their inquiries, they will desire your cooperation in its introduction to public use. They request us

to communicate with you, and to get the information they seek.

We shall be glad to meet you here or at your own house, to confer with you in regard to the matter; and in the mean time they desire us to ask that you will not make arrangements with other parties in Italy (if there be applications from any others) without first giving them an opportunity to negotiate with you.

Yours very truly  
Burrill Davison & Burrill  
Thomas Edison Esq.

(Dec 19/00)

A meeting of the subscribers to the capital stock of the Edison Electric Light Company of Europe, Limited, will be held at the Company's office, at No. 15 William Street, in the City of New York on Saturday, the 15th day of December, 1900, at 1 o'clock P. M. for the adoption of By-Laws for said corporation, and the Election of Directors thereof.

New York, December 13, 1900.

- James H. Barker,
- Robert S. Cutting,
- Robert S. Cutting, Jr.
- Walter S. Cutting,
- Stockton S. Griffin.

To Commissioners,

- Thomas A. Edson, Fenic Park, N. J.
- James H. Barker, Irvington, N. Y.
- Stockton S. Griffin, Fenic Park, N. J.
- Charles Batchelor, Fenic Park, N. J.
- R. S. Cutting, 151 Fifth Ave., N. Y.
- W. S. Supertan, 125 East 23rd St., N. Y.

*one set  
 edited  
 (Edison)  
 Director  
 (Edison)  
 Griffin  
 (note)  
 (Edison Park)  
 (Edison)  
 (Edison)  
 (Edison)  
 (Edison)  
 (Edison)*

John K. Porter,  
Governor of Liberty.  
Geo. Wales Sumner,  
Chas. Boardman Sumner,  
Geo. S. Hamilton,  
Wm. L. Porter.

P. O. Box 1836.

Porter, Liberty, Town & Hem.  
Attorneys & Counsellors at Law.  
No. 3 Broad St., New York.

Dec. 22. 1850.

Dear Mr. Edison. I hope to get the Edison  
Co. Company of Europe organized right, this  
time) by Christmas.

I have got from Mr. Sewall to say  
a schedule of all the Continental patents  
& applications, with a view of having the  
proper ones turned over to the Company.

You once spoke of having this done, but  
fortunately, as it turns out, it never has  
been done.

The Company wants some Capital of  
course and I shall be ready at any  
time to follow your instructions in the  
matter. I say yours, because I fancy  
that a word from you will be potent  
with your associates, as nothing from any  
other source will be.

Yours  
J. K. Porter

J. K. Porter



New York, December 27<sup>th</sup> 1880.

Sir:--

A meeting of the Directors of The Edison  
Electric Light Company of Europe, Limited, will be held at the  
office of the Company at No. 19 William Street in the City of  
New York, on the 29th day of December instant, at 1 o'clock P.M.

By order of the President.

Stockton L. Griffin,

Secretary.

John K. Porter,  
Gesessat E. Lowry,  
Geo. Wiles Soren,  
Chas. Emory Stone,  
Geo. S. Hamble,  
Wm. L. Porter.

Porter, Lowry, Soren & Stone,  
Attorneys & Counsellors at Law,  
No. 3 Broad St., New York.

P. O. Box 1836.

Dec 27 1880

Dear Mr. Soren. Speaking to Lowry on Friday  
about Kowars's interest in Spanish patents and  
the necessity of working the inventions in  
some of the foreign countries, within short  
times now, in order to save rights under the  
patents there for deposit, he does he thought  
many of the patents taken abroad, even for  
inventions which were of comparatively little  
value now, in view of your later  
inventions.

As this affects interests of El Regal Co  
of Europe. I bring the subject to your at-  
tention. You may think it advisable to  
have patents taken for these later & most  
important inventions; and it may be better  
not to save the expense of "renewal" and  
"working" under the old ones.

Mr. Lowell is to send me, at my re-  
quest, by next year's day a list of foreign  
patents in which accounts fall due soon,  
with statement of amount of time ~~expired~~  
which may need be ~~worked~~ ~~under~~  
with.

Very truly  
yours

Lowell has some more money to invest his  
money in Europe to secure the benefit to him

New York, December 30<sup>th</sup> 1880

Sir,

A meeting of the Directors of  
the Edison Electric Light Company of  
Europe, Limited, will be held at the  
office of the Company at N. 19 William  
Street in the City of New York, on the  
3<sup>d</sup> day of January, 1881 at 1 o'clock P.M.

By order of the President,

Stockton L. Griffin

Secretary

Griffin attend

want to get things legal  
but no negotiation or  
changes

We, whose names are below written, hereby severally subscribe for and agree to take the number of shares of the Capital stock of 'The Edison Electric Light Company of Europe, Limited,' which are set opposite our respective names in the following

List of Subscribers  
to the Capital stock of  
The Edison Electric Light Company of Europe Limited

Names	Residence	No. of Shares
Thomas Edison	Meads Park N.J.	5000
James H. S. Barker	Livington New York	1667
Stockton L. Griffin	Meads Park N.J.	5
Chas. Batchelor	Meads Park N.J.	5
Wm. L. Cunningham	New York	5
Edwin J. ...	New York	5000
Widauk W. ...	Do	150.

John K. Porter,  
Governor & Lawyer,  
Gen. Walter Smith,  
Chief Justice of Mass.,  
Gen. S. Hamilton,  
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Town & Stone,  
Attorneys & Counsellors at Law,  
No. 3, Broad St., New York.

24<sup>th</sup> Feb. 1878.

Edison C. Legat Co.  
of Europe. }  
}

Dear Mr. Griffin - Your Company is  
now completely organized and you  
can proceed to business as quick  
as you like -  
Yours. Sincerely,  
John K. Porter.

(D-80-025) [number not used]

1880. Electric Light - Foreign (D-80-026)

This folder contains correspondence and other documents relating to the establishment of electric lighting systems in foreign countries. Much of the material pertains to an agreement between Edison and Ernest Biedermann regarding the electric light in Switzerland.

All the documents have been filmed except for duplicate copies of correspondence.

John K. Barry,  
Governor Elector,  
Gen. Wales Street,  
Chas. Harbo Street,  
Gen. S. Harbo Street,  
Wm. L. Harbo Street.

P. O. Box 1836.

*Porter, Lowrey, Toren & Stone,*  
*Attorneys & Counsellors at Law,*  
*No. 3 Broad St., New York.*

Jan. 2, 1880.

My dear Edison:

I should think you would be entirely worn out. The intelligent public will take it perfectly well if you give a notice through the papers that, after a certain date, you will not receive any more visitors until you have completed a greater number of lamps.

I have something to say to you which I presume you will not think it necessary to mention to Banker or Puskas. I was visited to-day by a gentleman who is in intimate relations with some of the most important financial people in Germany. He has received five despatches within the last few days in respect to the Electric Light in that country. I explained to him, as well as I could, the situation of the titles, and in the course of my remarks, said that you probably would be willing, considering how far away this business would be, to sell some part of your interest in the patents in Germany, or in the company which is organized for those continental companies. Indeed, I suggested that, possibly, if a sufficiently liberal offer were made, you would be



John K. Porter,  
Governor of Maryland,  
Gen. Wales Stone,  
Chief Justice Stone,  
Gen. K. B. Smith,  
Wm. L. Porter.

P. O. Box 1836.

*Porter, Lowrey, Torrey & Stone.*  
*Attorneys & Counsellors at Law.*  
*No. 3 Broad St. New York.*

2

18

willing to part with the whole, as you would have remaining your interest in this hemisphere, as well as in England, Norway, Sweden, India, Portugal, Australia, &c., and as you have partners in all those other countries, whose skill, capacities and connections you have confidence in, it would cost you no labor to hold on to your interest there. My friend seemed very much struck with the idea of buying out your 30-60 in Banker's company. I did not pursue the conversation, because I was not at liberty to do so until I should have written to you, but if you feel disposed, I will sound this matter further and see what can be done. The time is not fully ripe yet, but I think I could get you a very large sum of money for your half. As I do not see that this in any way affects the interest of your associates, I beg that you will not mention it to any one.

I told Serrell to-day to prepare assignments or licenses for Cuba for all the patents, so as to have them ready to be signed by you. This ought to be done before you transfer the patents. I explained the whole matter to Banker, and he said that

John R. Porter,  
George E. Lawry,  
Geo. W. De Witt,  
Chas. Francis Stone,  
Geo. S. Hamilton,  
Wm. L. Porter.

P. O. Box 1836.

*Porter, Lawry, De Witt & Stone,  
Attorneys & Counsellors at Law,  
No. 3 Broad St., New York.*

3

187

as soon as the company was organized, he would, as President of the company, make the assignments according to your wishes. Mr. Navarro has always mentioned Porto Rico in connection with Cuba, but I think I never mentioned it to you. I do not know whether we could do that or not.

You can speak to me about the other business when I see you, which will be sometime next week. Do not you feel that you would like to take a rest and come up to Tarrytown again? What do you, and Mrs. Edison say to coming up next Saturday? I would like to have you answer this part of the letter.

I have been authorized by the Electric Light Company to-day to make a contract with Mr. Wilber, and have so informed him.

Yours truly



T. A. Edison, Esq.

John K. Porter.  
Greene & Lacey.  
Geo. Wales Stern.  
Chas. Edwards Stern.  
Geo. S. Hamilton.  
Wm. L. Porter.

P.O. Box 1836.

*Porter, Lowrey, Stern & Stone*  
*Attorneys & Counsellors at Law*  
*No. 3 Broad St. New York.*

4

W.

P. S. Fabri & Chauncey wish to know if the Ore Milling  
business for South America is open to be negotiated for. If it  
is, let me deal with them for you. They say that in Chili there  
are a good many gold mine, but very likely they are not hydraulic  
mines and they do not understand the matter.

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the sender of such messages.  
It reserves the right to suspend service or to require a message back to the sending station for correction, and the Company assumes no liability for messages which are transmitted or delivered by telegraphed messages.  
The Company is not responsible for messages which are transmitted by telegraphed messages, under the conditions named above.

A. H. DEWEES, Sec'y

NORVIN GREEN, Pres't

Date Paris via N York / 2 1878

Received of Edison

READ THE NOTICE AT THE TOP.

*Edison by kindly  
appoint me agent  
light France  
Murray  
Collect  
Hof*

✓ Cable Jaysing  
1150 am  
Edison Menlo Park

Cable approval registration  
Edison Electric Construction  
Company Limited for  
manufacturing and work  
Colonies and Countries  
having no patents no  
liability yourself

24/10  
Direct

London Jan 30<sup>th</sup> 1881  
Gouraud  
to  
Edison

no reply

Cable

July 3<sup>d</sup> 80

No 3 Edison

Meulo Park

N. J.

Heavy decline values

Griffins telegram charged

fraud Cable over

signature tonight

for Monday morning  
journals numbers

Langth lighted

Exhibition and complete  
comparative economic  
statement gas and

light regardless  
expense remittance  
covering Monday

Bailey

3/2

led



Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which here  
is limited to by the number of the following message.  
It does not guarantee neither only by repeating a message back to the sending station for correction, and the Com-  
pany will not be held responsible for any delay in the transmission or delivery of a message under any circum-  
stances, and it is not responsible for any delay in the transmission or delivery of a message under any circum-  
stances.

A. R. BREWER, Sec'y.

WILLIAM ORTON, Pres.

Date: Cable Jan 5 1880

Received at \_\_\_\_\_

To: Edison

Multon Park N.Y.

In Herald December 21

correct.

London

street

Hof.

READ THE NOTICE AT THE TOP.

1  
Cable      July 7, 80  
                                6<sup>45</sup> P.M.

Edison  
Menlo Park  
New Jersey

I  
Strong association of Bankers  
and merchants requests  
me to ask you under what  
condition you will let  
them have your patent  
for Europe and Switzerland  
in particular by purchase  
or royalty on all light

Adams  
American Consul

46 Geneva  
answer paid  
Ten words

209

1  
Cable  
Adams  
Geneva  
Jan 7, 80

Sold Except Switzerland  
unpatented will treat  
strong parties

10 Collect  
his answers

840 pm 9 Ra

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been agreed to by the sender of the message.

Messages are guaranteed neither as to accuracy of contents, date or transmission, nor as to their being received or as to their being delivered in an unaltered form.

A. H. BREWER, Sec'y. WILLIAM ORTON, Pres't.

Date Receipt paid 1880

Received at Adelphi  
Wm. O. Wash. D.C.

READ THE NOTICE AT THE TOP.

Have you received telegram  
from Adams. Consul at  
Geneva Sixty and will  
you answer direct

J. C. Young  
Adams Ex. Co.

18 paid  
H. f.

T. A. EDISON.

K 

Menlo Park, N. J.

July 26 1880

J. C. Young  
Adams Ex Co  
N.Y.

Have answered direct

Edison

357

7/27  
9/25

Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been specified in the conditions of the following messages. Every one is printed upon and to receive a message hereon in the ordinary course of business, and the Company will not be responsible for any loss or damage to the message or to the property of the sender or the receiver.

A. H. BREWSTER, Sec'y.

WILLIAM ORTON, Pres't.

Date Cable (July 8) 1888

Received Answer paid for 20 kds

To Edison  
Wm. B. Keith

READ THE NOTICE AT THE TOP.

Cable received instructed  
by Biedermann and strong  
Syndicate to ask you  
Cable on what basis  
you will treat and  
on what terms send  
samples all rights  
at once

Adams  
38 Geneva  
answer paid bonds

H. B.

General Purp. Form No. 20

OFFICE OF THE SECRETARY OF THE ARMY

Washington, D. C.  
1918

<p>1. Name of the person or organization to whom the property is being transferred</p> <p>2. Description of the property</p> <p>3. Date of transfer</p> <p>4. Name of the person or organization from whom the property is being transferred</p> <p>5. Description of the property</p> <p>6. Date of transfer</p> <p>7. Name of the person or organization from whom the property is being transferred</p> <p>8. Description of the property</p> <p>9. Date of transfer</p> <p>10. Name of the person or organization from whom the property is being transferred</p> <p>11. Description of the property</p> <p>12. Date of transfer</p> <p>13. Name of the person or organization from whom the property is being transferred</p> <p>14. Description of the property</p> <p>15. Date of transfer</p> <p>16. Name of the person or organization from whom the property is being transferred</p> <p>17. Description of the property</p> <p>18. Date of transfer</p> <p>19. Name of the person or organization from whom the property is being transferred</p> <p>20. Description of the property</p> <p>21. Date of transfer</p> <p>22. Name of the person or organization from whom the property is being transferred</p> <p>23. Description of the property</p> <p>24. Date of transfer</p> <p>25. Name of the person or organization from whom the property is being transferred</p> <p>26. Description of the property</p> <p>27. Date of transfer</p> <p>28. Name of the person or organization from whom the property is being transferred</p> <p>29. Description of the property</p> <p>30. Date of transfer</p>	<p>31. Name of the person or organization to whom the property is being transferred</p> <p>32. Description of the property</p> <p>33. Date of transfer</p> <p>34. Name of the person or organization from whom the property is being transferred</p> <p>35. Description of the property</p> <p>36. Date of transfer</p> <p>37. Name of the person or organization from whom the property is being transferred</p> <p>38. Description of the property</p> <p>39. Date of transfer</p> <p>40. Name of the person or organization from whom the property is being transferred</p> <p>41. Description of the property</p> <p>42. Date of transfer</p> <p>43. Name of the person or organization from whom the property is being transferred</p> <p>44. Description of the property</p> <p>45. Date of transfer</p> <p>46. Name of the person or organization from whom the property is being transferred</p> <p>47. Description of the property</p> <p>48. Date of transfer</p> <p>49. Name of the person or organization from whom the property is being transferred</p> <p>50. Description of the property</p> <p>51. Date of transfer</p> <p>52. Name of the person or organization from whom the property is being transferred</p> <p>53. Description of the property</p> <p>54. Date of transfer</p> <p>55. Name of the person or organization from whom the property is being transferred</p> <p>56. Description of the property</p> <p>57. Date of transfer</p> <p>58. Name of the person or organization from whom the property is being transferred</p> <p>59. Description of the property</p> <p>60. Date of transfer</p>
--	---

BEVE AIR REGIONS OF THE LOG

T. A. EDISON.

3

Menlo Park, N. J.,

July 6 1880

Adams

Geneva Switzerland

Have Biedermann <sup>complete</sup> negotiations

through Drexel Morgan & Co

Company here; cannot spare  
samples yet, all working.

Edison

20-Collect

W. G. L. A.



Form No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, having its validity, which have been assumed to be the order of the following message.

It may be cancelled against only by transmitting a message back to the sending station of cancellation, and the Company will not be held liable for messages which are transmitted in absence of a message of cancellation.

This message is UNREPEATED READABLE and is delivered by means of WIRE or CABLE or TELETYPE or OTHER as named above.

A. B. BREWER, Secy.

WILLIAM O'NEIL, Cash.

Dated Cable 1/8/88 1888

Received at Reponse paise 15

to Mrs. Edison

menlo Park

Chicopee

United States

READ THE NOTICE AT THE TOP.

Due de l'Etat depute  
Paris beg me Edison  
to telegraph him price  
of his Electric lamps  
with directions will  
Cable back money  
so as to have lamps  
sent immediately

40 paise l'Etat  
answer paid 15 words  
Hot

T. A. EDISON.

v

Menlo Park, N. J.,

July 8 1880

Cable

Feltre

Paris

Lamps fast as made lighted  
day and night. Testing - cannot  
spare any yet

15 Collect

708 pm  
4 R

T. A. EDISON.

K  
Menlo Park, N. J.

July 7 1878

Pickerman Geneva  
Switzerland

You have refusal for  
sixty days better get  
Government concession  
I will ship lamps & other  
samples cumbersome

Edison

20 Collect

his Angus

Menlo Park N.J. July 7

807  
97v

Form No. 1.

## THE WESTERN UNION TELEGRAPH COMPANY.

This Company's TRANSMITS and DELIVERS messages only on conditions, stating the terms, which have been submitted to by the sender of the following message:  
Messages can be prepaid upon only by sending a message back to the sending station for confirmation, and the Company will not hold itself liable for any error due to its transmission or delivery of messages prepaid by the sender. This message is an **ANSWER PAID** message and not subject to payment by the receiver.

A. R. BREWER, Secy.

WILLIAM ORTON, Pres.

Dated Cable 1/9 1880

Received at Answer paid 20 words

To Edison

Minlo Park N.J.

READ THE NOTICE AT THE TOP.

Will treat through Duval  
by letter so please  
Cable refusal for 60  
days must have few  
samples sent by mail  
to secure trade mark  
in your name

Biedermann

35 Geneva

ans. 20 words paid

T. A. EDISON,

Menlo Park, N. J.

July 9<sup>th</sup> 1880.

Cable

Professor Edison  
Philadelphia

Reply ten words paid if no  
engagement for lamps  
patent right right Italy  
to Contract  
Stevens & Co

21 Turin

Ans 10 words

✓  
Brief answer

OK  
answered July 16  
SHE

Stevens & Co

Turin Italy

In Hands of Company  
here. Edison

Blank No. 1.

# THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which here  
has been stated in by the sender of the message.

Messages sent by parties against only by retaining a message back to the sending station for correction, and  
will not hold the Company or agents or delivery of the message.

THE COMPANY IS NOT RESPONSIBLE FOR MESSAGES DELIVERED BY OTHER THAN THE COMPANY'S OWNERS.

A. H. BREWER, Sec'y. WILLIAM ORTON, Pres't.

Date: April 17 1880

Received of: Reply paid five words

To: Edinburgh

Philadelphia

READ THE NOTICE AT THE TOP.

wait end february  
patent right for  
Europe

Bundle  
14 answers <sup>paid</sup> five

Sweden  
25¢  
320 P.M.

1003 Cable ~~ordered by~~ Jan 9 80  
~~See Drexel Morgan~~

Bendle  
Dresden  
See Drexel Morgan

Collect  
805th  
97v  
Harriman

T. A. EDISON.

Menlo Park, N. J.

July 11

1880

12:45 PM

Cable

Professor Edison

Reply five words paid

menlo park

Is Edison there where  
Stevens

12 Turin  
Ans paid  
5 words

B69



Form No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which has been assumed by its operator or the subscriber.

Messages are the property of the sender and are not to be used for any other purpose, and the Company will not be held liable for messages or telegrams if transmitted in violation of the Company's regulations. The sender is an UNDEPARTED MESSAGE and is delivered by whom it is sent and the conditions stated above.

A. E. BILBEE, Sec'y. WILLIAM ORTON, Pres't.

#57

Dated Cable 1/11 1880  
Received at Edison 7:49 PM  
To Edison

Menlo Park

READ THE NOTICE AT THE TOP.

Confirming telegram  
Stevens please reply  
Capitalist ready  
purchase patent rights

13<sup>th</sup> Durin Aid. Miller

Answer

Write to say that all statements  
that the light is of a false  
nature.

Turin January 12<sup>th</sup> 1880  
14 hours for one sheet  
of paper for post if  
you will pay we have placed  
Professor Edison in communication  
with the hands of the  
Neville Park who invent the  
patent, & they  
will doubtless hear  
from them

Dear Sir,

We requested you by telegram 9<sup>th</sup> inst,  
to purchase your Lamps' patent rights for  
Italy. - Our telegram was confirmed yesterday  
by the firm Laird Muller, which you are well  
connected with, and which is in perfect accord with us.

Though evil reports were circulating  
in Turin yesterday - as you will see in the paper  
we send you - that it is false that you have  
invented a new system of illumination, we  
are, instead, in the firm conviction of your  
having succeeded in your studies, and do,  
therefore, maintain our proposal, as we entertain  
the highest esteem for your genius.

Our joint partners Laird Muller, as  
also the bankers and capitalists with us concerned  
are of the same opinion. We, therefore, write  
this in order to state that we are disposed to  
obtain your patent-rights for Italy, being desirous

to take all necessary steps to secure them.

We are also ready to give you full proofs of the earnestness of our proposals and of the possibility of satisfying the conditions of the legal agreement that we may hereafter make together. -

We fully trust that you will countenance our request and promptly reply to us, it being in your own interest to make as many observations, as are the various states in the world.

We are ready to delegate a person to negotiate with you or with your representative agents, assisted by some one of the capitalists.

We are well aware that there are persons here, who have concerted together upon <sup>disregard</sup>ing your invention, and, nevertheless, they will perhaps apply to you in order to combine with you; but as they positively, according to our knowledge, are coming to an agreement with Jablockhoff, so their negotiations will prove waste of time for you.

We in conclusion declare to be ready to give you the highest references of our firm, even through Diplomatic agencies, as well as to furnish you with all possible securities.

Yours  
Very sincerely  
Stevens & Co

HAIRD, MÜLLER & CIA  
ESCRITTORE  
6, Via S. Francesco da Paola, 6.

TORINO  
24, Via degli Indelli  
DUELLA  
10, Via D'Azeglio

Turin 17<sup>th</sup> January 1880

Mr. Thomas A. Edison  
Menlo Park (New Jersey)

Dear Sir

We had the pleasure of writing to you  
in date of 6<sup>th</sup> instant - and yesterday to visit you  
as follows:

Confirming telegram Stevens - Please reply  
Capitalists ready to purchase patent rights.  
H McE

In consequence of the enclosed publication in one  
of our principal news papers, describing your  
invention, announced by Paris journals as a  
mere Yankee's trick and a false news, nothing  
whatever had been invented by you till now.

In presence of your kind communication of  
20<sup>th</sup> Sept. last year, we must interpret such  
such publication as a slander and falsehood  
and at once in union with the firm Stevens & Co  
we called for a meeting on which number of Parliament  
Bankers and highly respectable persons took place  
on purpose to form at once a committee of  
Promoters of a company for Italy to work out  
your patent.  
As we trust that should any other party

from Shaly make proposals to you, you will find, keep us present, as said the firm Stevens & Co we being concerned in it, and thus we both firms have been the first to apply to you -

We inform you that you cannot expect better terms from anybody else and no one here can give such references, even by Government than the firm Stevens & Co

We therefore expect that you will be kind enough to forward cheerily to us all particulars concerning your system of lighting.

We are dear Sir yours truly  
 David, Miller & Co

## L'APPLICAZIONE DELLA LUCE ELETTRICA alla illuminazione pubblica

La questione dell'applicazione della luce elettrica all'illuminazione pubblica di alcune vie di Torino, è stata formalmente sul tappeto, in seguito alle domande presentate al nostro Municipio dai rappresentanti in Italia della Società Jablochhoff in unione alla Società Torinese.

Non noi discutiamo del merito dell'applicazione della luce elettrica alla pubblica illuminazione, poiché meglio di qualsiasi ragionamento valgono i risultati degli esperimenti.

Ora si tratta appunto di sperimentare in siti aperti e pubblici la luce elettrica, sistema Jablochhoff, ed a tale scopo mira la domanda presentata al Municipio di Torino.

Ieri perciò abbiamo ricevuto dai rappresentanti della Società la seguente lettera:

**Signor Direttore** — Per norma de' suoi lettori ci facciamo un dovere di comunicare la copia esatta della proposta presentata al signor Sindaco di Torino il 2 corrente e la copia di una seconda nota presentata questa mattina, relativa alla notizia della supposta scoperta di Edison.

• N. l'interesse della verità sarebbe conveniente che il pubblico potesse conoscere la detta proposta per *summa capita*.

• Inoltre per edificazione del pubblico sarebbe pure conveniente far conoscere l'estratto d'una lettera giuntaci stamane da Parigi, da persona degna di pienissima fede: e lo confidiamo l'originale venga tosto stesso autorizzabile a farne l'uso che vuole.

Torino, 10 gennaio.

Ing. Imperatori e Muller. •

**N. B.** — (Estratto) Paris, 8 janvier 1880 — ..... O' voici la vérité. Edison n'a rien inventé du tout. C'est un coup de Bourse monté par Parivier du Figaro et un banquier juif d'ici: M. Van-Bill; ils ont voulu inaugurer une seconde édition du coup d'octobre 78, et ils se sont trompés, non seulement, mais le Syndicat des agents de change leur fait, moi ne un bon procès pour fausse nouvelle; car tout était faux jusqu'à la débûche.....

I punti principali della domanda presentata al Sindaco di Torino il 2 corrente sono i seguenti:

• Un gruppo di persone autorevoli, appartenenti all'alto ceto torinese della Banca, ha deciso costituirsi in Comitato promotore d'una Società, allo scopo d'applicare in Italia l'illuminazione elettrica pubblica e privata, col sistema privilegiato Jablochhoff.

• Questo sistema è già attivato in modo permanente: a Parigi in 29 località — nella provincia francese in 33 località — nelle principali città d'Europa in 92 località.

• A Londra dopo un anno di prova, per conto del Municipio, il sistema Jablochhoff è stato adottato ufficialmente e definitivamente per tutta la linea della Metropolitan.

• L'applicazione di questo sistema dunque è un fatto compiuto.

• Si chiede:

• 1° Di collocare dieci o dodici fanali elettrici in Piazza Castello, nei giardini di Caravalle, di varia intensità luminosa, cioè eguali a 40, a 20, e a 10 fiamme a gas, stando provvisoriamente le macchine motrici ed elettrodinamiche nel fossato

del Palazzo Madama, e pregando all'uopo la S. V. Ill.ma d'incarporre i suoi buoni uffici per ottenere dal R. Demanio il relativo permesso.

• 2° Dopo questa illuminazione preliminare chiede d'impiantare stabilmente a Torino, nel corso dell'anno corrente 1880, la luce elettrica, per uso pubblico e privata, dalla piazza Vittorio Emanuele, per via di Po, piazza Castello, per via Roma, e piazza Carlo Felice, sopprimendo le lanterne a gas, e colla retribuzione di cui sopra.

• Tanto l'uno che l'altro impianto sarà fatto a spese del gruppo sopradetto proprietario della privata Jablochhoff, e a quelle condizioni contrattuali che verranno fissate e stipulate d'accordo, le quali saranno proposte in un progetto di dettaglio.

• I prezzi unitari per i fanali elettrici di varia intensità sono i seguenti, tanto per il pubblico, quanto per i privati:

• 1° Fanale del potere di 40 gas cent. 60 all'ora;

• 2° Fanale del potere di 20 gas cent. 30 all'ora;

• 3° Fanale del potere di 10 gas cent. 15 all'ora.

• Con questi prezzi il Municipio potrà avere il seguente risultato:

• A parità della luce attuale, economizzerà il 40 0/0 sul costo odierno del gas, cioè oltre a 200,000 lire annue. •

I proponenti non avendo ricevuta alcuna risposta dal Sindaco, gli direbbero ieri una seconda lettera in cui si insiste sulla necessità di una pronta risposta, e sulla convenienza che venga accettata la presentata proposta.

I proponenti ripetono nella loro Memoria:

• Che l'esperienza è tutta "cousante" al Municipio per suo impianto e procurandogli invece nel consumo della luce un'economia di oltre al 40 0/0 sul prezzo attuale del gas, merita che per suo mezzo la detta economia sia constatata pubblicamente.

• Che nella detta illuminazione privata di Torino, adottatamente applicabile ed applicato; non si esclude il diritto del Municipio, e la convenienza per parte della Società di adottare l'esperienza venisse giudicata, prestò ed attuabile, o qualsivoglia altro perfezionamento si effettuasse in avvenire.

• Che nei sistemi Jablochhoff, Edison o altri, l'impianto per la produzione dell'elettricità, delle macchine motrici ed elettrodinamiche, è identico, la sola differenza consistente nella lampada luminosa. Quindi nell'interesse del pubblico e del Municipio, d'accordo quale detto impianto si faccia, salvo poi a decidere d'accordo quale delle due lampade luminose convenga adottare.

Dopo la lettura dei citati documenti, il lettore è in grado di conoscere a qual punto si trovi la pratica che interessa: non poco la popolazione torinese.

Ci asteniamo per ora dall'emettere un giudizio esplicito sulla questione, però non possiamo non deplorare l'indifferenza del Municipio che non ha ancora risposto alle domande della Società.

• A nostro avviso il Comune non può rifiutare la chiesta autorizzazione per l'esperimento, poiché la medesima non vincola per nulla la sua libertà di giudizio e di scelta sul nuovo sistema d'illuminazione.

Signori Haid, Muller & C.<sup>IA</sup>

6. VIA S. FRANCESCO DA PAOLA 6.

**TORINO**

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

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Sends not to be guaranteed except only by repeating a message back to the sending station for correction, and the Company will not be held responsible for errors or delays in transmission or delivery of Encrypted and Mysterious Messages.  
This message is an **UNREPEATED MESSAGE** and is delivered by request of the sender under the conditions named above.

A. R. BREWER, Sec'y.

WILLIAM ORTON, Pres't.

Dated Cable 7/13 1888

Received at \_\_\_\_\_

To Edison \_\_\_\_\_

Menlo Park

Jablokoffe system  
indicated reply

Stevens

J. Corneo

READ THE NOTICE AT THE TOP.

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A. R. BREWER, Sec'y.

WILLIAM ORTON, Pres't.

Dated \_\_\_\_\_ 7/13 1888

Received at \_\_\_\_\_

To Edison \_\_\_\_\_

Menlo Park

Do you authorize Hayes  
take one sixtieth  
interest instead

Roosevelt

Bailey

14 Paris

READ THE NOTICE AT THE TOP.

T. A. EDISON,

Menlo Park, N. J. Jan 15 1880.

Edison Menlo Park

Edison my  
Will you consent  
to my transferring Roosevelt  
one light share Puskas

13574  
forwarded from NY

T. A. EDISON.

Menlo Park, N. J. Jan 15 1880

Call

Puskas  
Paris

Yrs

3 Menlo Park  
11:00 AM



Morning June 18 1880

Dear Edison

Mr. Killam  
will call upon you  
about purchasing your inter-  
est or a part of it in Europe  
- If you send him to me  
I think I can do well for  
you

Drexel Morgan & Co's ideas  
were not liberal enough  
to talk about

Yours  
Wm. H. P. Sawyer

I will send Villard to  
you when he comes,

SEDE SOCIALE A LONDRA

Direzione Generale

Cesena

Cesena Sulphur Company, Limited

MINIERE DI

BORATELLA ALZUNO, BORELLO TANA, MONTE AGUEZZO, MONTE CORRUZZO  
SAN ROMANO, CA' DI GUIDO, CA' DI CASTELLO, CAMPITELLO

Cesena il 19 January 1880  
Italy

Professor Edison

Menlo Park

Illustrissimo Sir

I am penetrated with admiration for your genius which gave birth to so many remarkable inventions, and am convinced by the description of your latest discovery of electric lighting, that you have solved this great question, in the simplest and most practical manner.

I am the eldest son of Governor Louis Kossuth, the leader of Hungarian independence, who was a guest of the U. S. Government and people at one time, and has received there, the warmest welcome.

I am a civil and mining engineer by profession, still an exile from Hungary, but rather extensively known as a professional man in England, France, and Italy.

I am managing Director of a large Mining Company (the Cesena Sulphur Company) but this occupation leaves me time for other pursuits.

My object is to obtain from you the privilege of representing you in one of the three countries (England, France or Italy); or in all three, alone, or jointly with other persons enjoying your confidence.

I have no doubt, that I could, most efficiently co-operate to obtain the greatest possible financial and practical result from your electric lighting, your sextuplex telegraph, your Faradic machine etc. in any one, or all three of the above countries of Europe.

I am reluctant to say more of myself, except this, that the name I bear is a moral guarantee for my trustworthiness & my position in the world; and the professional position I hold is a material guarantee for my business capacities and extensive connections. - Both, a priori, speak in favour of my being able to hold efficiently the capacity which I earnestly hope you will be willing to concede to

Yours very respectfully  
Francis Rosselli

address  
Cesena  
Province of Forli  
Italy

Prof. Edison  
Menlo Park  
U. S. America.

Francis Rosselli  
Cesena  
Province of Forli  
Italy

1 New York 6/27/18.

Admission

Please send me  
copy of contract with  
foreign countries which  
I wanted to see yesterday

H. Willard  
20 Nassau St

18 paid  
Hofst  
10-25-air

3

Cable

July 28 81  
322/100

answer paid 20 words

Edison

Newark N.J. New Jersey

Obtained trade mark from Government  
can have papers only against sample  
Cable date when you shipped lamps  
and how many when received will  
immediately make firm offer through

over

Bickerman

37 lines  
20 words paid

20 NASSAU STREET, ROOM 24,

NEW YORK, *January 31, 1887*

*J. A. Edison, Esq.*  
*Menlo Park, N. J.*

*Dear Sir,*

*I telegraphed you on the  
27. inst. as follows:*

*"Please send me copy of contract  
with foreign countries which I failed  
to see yesterday."*

*Having no reply, I beg to repeat  
my request herewith. I felt justified  
in making it inasmuch as you  
kindly offered at the Park to let  
me see the contract.*

*Yours truly*  
*H. Villard*  
*per Ed.*

Cable

Feb 28-80  
10074

answer paid 10 words

Edison  
New York  
New Jersey

Cables you last Thursday were  
paid 30 words and without  
reply please reply at once

Biedermann

24 Geneva

ans 10 words

T. A. EDISON,

Menlo Park, N. J.,

Feb 30

1880.

Cable -

Biedermann  
Geneva Switzerland.

Have done as you request

Edison

9 = answer was paid.

5-11  
9/10

JOHN WAUGH,  
ASSOC. INST. G.C.

22 TYFEL ST.  
BRADFORD.

Write Waugh  
today (July 4) to come  
at any time. J.W.

Feb'y 3<sup>rd</sup> 1900

Thomas Alva Edison Esq  
West Point  
New York

Dear Sir

On Saturday I said for New York  
in order to see your agent before I had to forward  
to you in advance some letters of introduction -  
or rather copies of - the originals I will forward  
all being with myself on arrival - so that  
from the 1<sup>st</sup> of Saturday I shall have an  
hourly - the 1<sup>st</sup> of the Avenue will be my  
hotel - If you will kindly write me then  
to say what day will suit you I shall  
feel immensely obliged - For practical working  
of Sheds works miles & Public Buildings are being  
now in operation and getting on - I am  
holding back for my check until I have done  
Yours - Will best wishes  
I am Dear Sir

Yours Oly. John Waugh

Copy

6 Lombard Street, E. C.  
London July. 29<sup>th</sup> 1880

Thomas Alva Edison Esq  
Menlo Park  
New Jersey

U. S. A

My Dear Sir

This will introduce to you -  
Mr. John Waugh of Bradford, on whose  
behalf I have been asked to write a  
letter of introduction to you by my  
correspondents in Bradford, whose letter  
I enclose.

I shall be glad if you will  
facilitate Mr. Waugh in his mission.

I am, my dear Sir  
Yours very truly  
S. E. Gouraud



Copy

Rowson, George & Wade  
Solicitors

8, Piccadilly  
Bradford, Jan. 29<sup>th</sup> 1880

Dear Sir

Edison's Telephone

We have duly received your letter of the 28<sup>th</sup> inst and enclosures for which we are obliged and which shall be submitted to the Committee in due course.

Edison's Electric Light

We may perhaps be allowed to mention that a client of ours Mr John Waugh, Civil Engineer, Bradford, and who was for some years Gas - Engineer to the Midland Railway Co is about paying a visit to the United States for the purpose of obtaining information relative to Mr Edison's Electric Light and understanding that we were in communication with you in connection with the Telephone Mr Waugh has desired us to enquire whether we may ask for a letter of introduction from yourself to Mr Edison which will enable him to approach the latter to better advantage than could a mere stranger. -

Mr. Waugh is making his proposed visit at the instigation of Mr. Isaac Holden formerly M. P. for Lancaster who is also a client of ours and whose firm at their works in Bradford and at Reims and Groix in France are stated to be the largest gas consumers in the world. If you can oblige Mr. Waugh in this matter we shall regard it also as a favour to ourselves.

We are, Dear Sir

Yours faithfully

Lawson, George, & Wade

S. C. Howard Esq.

6 Lombard Street

London. E. C.

3/ New York 2/4/80

Edison -

Biderman of Geneva  
says, cabled Edison twice  
no reply, Will you give me  
an answer for him

Balfour

59 Broadway,

20 paid

Hotsu

10.04 am

5 Cable

July 4, 80  
8:22 Am

Answer paid 10 words

Edison

menlo Park  
New Jersey

Received yesterday's despatch no reply  
to mine January 28 answer paid  
asking number and date lamp 11/15  
prompt reply important

Biderman

28 Geneva

ans paid 10 words

T. A. EDISON.

Menlo Park, N. J.,

Feb 6<sup>th</sup> 1880.

Kruzi'

Want 6 Lamps' regular  
Size Carbon  
New holders, 1 on a small  
bracket, all packed  
so they will bear  
transportation to  
Geneva Switzerland

1 Cable

July 9. 80

Biedererman

Geneva Switzerland

Lamps sent by Austin Baldwin's

Express last Thursday

Edison

Collect the amount of Jan 28  
+ Feb 12<sup>th</sup>  
swam

Paid at other end

John K. Porter,  
Governor's Library,  
Geo. Walter Smith,  
Chief Clerk's Office,  
Geo. S. Howell,  
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Toren & Stone,  
Attorneys & Counsellors at Law,  
No. 3 Broad St., New York.

Exp. 14 1892

Dear Mr. Toren. The paper has been  
drawn by Mr. Smith, at our Lawy's  
request for execution by you. It is under  
order of you. I enclose.

If you will return it to us  
after execution I will hand it to Mr  
Navarro.

The arrangements <sup>with</sup> Mr Edison gets 65% of the  
Navarro pays all expenses - I did not  
intend to have Mr. Doren send that paper to  
you. It is a matter to be considered by  
J.P.H.

What arrangement <sup>has</sup> been  
made with Mr Navarro  
regarding the Cuban  
rights should that not  
be fixed before making  
the assignment.

Direct Letters  
TO  
POST-OFFICE BOX  
No. 1204.

Hunt, Hatch & Hühne,  
NEW YORK and LEIPZIG.

New York, Feb 16 1870

Mrs. M. Edison Esq

Menlo Park  
N. J.

Dear Sir

Messrs. Fair & Miller Esq of Turin  
Italy desiring to become Agent for the Electric  
Light in Italy and have asked us to intercede  
in their behalf. We beg to inclose a letter  
concerning their standing in Italy and  
should be pleased to receive an answer  
from you informing us what reply we  
shall make them.

Very respectfully yours

We believe we have already <sup>informed</sup> about this  
and used one of their communications  
we have placed their communications in file  
with the Co who control the patent & they will  
receive proper attention when the Co is properly  
organized

THOMAS B. THOMAS  
STATIONER, NEWS AGENT, BOOK BINDER & PAPER DEALER,  
Merchant Street,  
—AND DEALER IN—  
Books, General Fancy Goods, Etc.,  
FORT STREET, HONOLULU, HAWAII.

Honolulu, Feb. 16, 1880

Recd. Feb 20  
from Mr. Edison  
with office copy  
J. T.

Thos. A. Edison Esq.  
Menlo Park, N.J.

Dr Sir:

Having been watch-  
ing from this distant point, for many months past, your  
labors upon the Electric Light, with the view of  
its introduction to these islands, I should be pleased  
to learn from you upon what terms I may obtain  
the same either for private dwelling or general system  
of City lighting, and if there will be any special  
legislation needed here to protect the introduction of  
your system from infringement. I beg to state that  
such could no doubt be secured at our coming Legisla-  
ture, this summer.

Please advise me if the matter can be one of direct  
purchase, or supplied for a royalty; giving me all nec-  
essary information to enable me to take early action in  
the matter & oblige

Yours Most Respectfully  
Thos. B. Thomas:



402

Warsaw Feb 1880  
J Rawicz  
a Mary

found the one  
to be most  
of the  
copy

Official

CONSULATE OF THE UNITED STATES.

WARSAW Feb 18<sup>th</sup> 1880.

J. W. Edison  
Mendota Park N.Y.  
Dear Sir

I beg to apologize,  
for intruding upon  
your valuable time,  
in a matter of  
mutual interest.  
A company of capitalists  
in this town are desirous  
to know what you would  
charge for the exclusive  
privilege of naming  
your

your system of electric  
light, lamps, with  
all the ameliorations,  
improvements and  
latest inventions discove-  
red by you, for lighting  
the streets of towns and  
buildings, in the  
whole empire of  
Russia including  
the Kingdom of Poland  
and all the provinces  
belonging to her.  
Should you be inclined  
to

to favour me with  
a reply in this  
matter I should  
be greatly obliged  
to you for giving  
me all details relat-  
ing the arrangements  
with per hour &c.

I am, Sir  
respectfully yours  
Joseph Pearson  
W. S. Consul

New York  
5th Avenue Hotel  
Sat. Feb. 21<sup>st</sup> 1880

Dear Sir

I am pleased  
to receive your note  
on my arrival this  
the 15<sup>th</sup> day from which  
we have had a bad time  
of it.

I will come for  
my first visit on Monday  
have brought you a  
piece of our house,  
like your Maria House,  
which (my own) 10<sup>th</sup>  
of Dec last year

I hope to find you  
well

Yours truly  
J. A. Edwards Esq. Junr of New York

Blank No. 1.

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The message is an **URGENT** MESSAGE and is delivered to the extent of the above conditions.

A. R. BROWN, Secy. C. NORVIN GREEN, President.

Dated New York City 27 1888

Received at 12:30 pm

To A. Edison

Menlo Park

READ THE NOTICE AT THE TOP.

Have you given power  
of attorney to any  
one recently to act  
for you in connection  
with light in Peru  
answer

By Goddard

Wpd  
Hof

No

answered



New York, Oct 29/72

Thomas Nelson Inquire

At the present time we are very short of lamps double lamps we will be unable to supply you with the same quantity as you ordered and we are very sorry to hear of the trouble you are having in the matter of the original and the reproduction of the letter we received from one of our correspondents in Switzerland. We asked us for information in a matter which is beyond our own knowledge, hence the troublesome application we make to you to day. Will you kind the kindness and can you spare some of your valuable time to find us in possession of the desired information, it would be preferable and better that one of us should personally call on you at New York? Please to decide for yourself. It ought we are entire strangers to you and as such have no claim on you whatsoever, yet the well known firmness and amiability of the American character had us to understand no great obstacles to the fulfillment of our respectful desire, should there be any however, you will ever greatly favor us by giving your assistance to our application. We pray you to accept the assurance of the very high regard and consideration with which we have the honor to remain your obedient servants.

Yours truly,  
J. H. Notter & Co.

J. H. Notter & Co.  
107 Green Street  
N.Y.

T. A. EDISON.

Menlo Park, N. J.

Feb 8 1880  
12:25 PM

Cable

Edison Menlo Park New Jersey

Lamps just received New Swiss  
Patent law takes effect April  
9 when government concession  
will be issued us Please  
Cable extended refusal 90  
days momently very important

Biedermann

30 Geneva  
Hof

Ans paid 20 words

Feb 8 80

Biedermann

Geneva Switzerland

I hereby extend option  
to purchase 90 days  
from date

Edison

K. Collect

his ans

1/19 PM  
gH0

T. A. EDISON.

170

H. Cable

Menlo Park, N. J.

Mei 9<sup>th</sup> 1880  
11 24 AM

Edison  
Comp Lamps Electricos  
Petersburg

Envoyez lampe argent  
Expedit adresse Grande  
Morska 27: logement No.

Ingenieur Kalepinsky

Petersburg  
No 7

[FROM EDWARD H. JOHNSON]

The Edison Telephone Company of London, Limited.  
Aldwych House Chambers,  
Rooms 27 & 28.

11, Queen Victoria Street, E.C.

MANAGER & SECRETARY,  
ARNOLD WHITE.

London Mar 18 1880

My Dear E.

I got one lamp up to a proper intensity by putting 50 cells in a series & using 2 series - but haven't enough guts yet to keep 'em all going at one time I have ordered 50 more cells & will have them up tomorrow. When I get them OK. You're going to invite the three people to see it - I haven't

let any one see it yet outside of the boys about the office. It makes a magnificent display in my office. Makes a Gas jet look sick. What are you going to do about Crookes' letters to Weston? What progress have you made with the fibre looks? Keep me posted. I'm intensely interested in everything you make.  
Wm E H J



Electric Light & Power Company of London Limited.  
11, Duren Yard, Spring Street, E.C. 4.  
London, W. 1.

MANAGER & SECRETARY,  
ARNOLD WHITE.

My N. Edison

March 18 1880

I have now a series  
of 45 Cells Each - Fuller Battery  
- and with them I am operating  
3 Lamps successfully - bringing  
them quite up to a full gas jet, in  
fact a little better - As this has  
already cost me 248. \$ - I cannot  
afford to add enough more to put  
the others in operation so I have  
taken down 3 - & ~~shall~~ tell any  
one to whom I show the Light that  
you only gave me 3.  
I wrote to Mr. Wm. Thomson about  
his large Gravity Trays, which Brown  
tells me are immense - saying their  
internal resistance was almost  
nothing - But Mr. Wm. says to get  
95 volts I would have a resistance  
of 10 Ohms - which would of course  
be fatal - Beside they cost 32 shilling  
Each - He recommends me  
to get a Siemens machine.

The Edison Telephone Company of London, Limited.  
Messrs Messrs Chamberlains,  
11, Queen Victoria Street, E.C. 4.

MANAGER & SECRETARY,  
ARNOLD WHITE.

But I shall not do <sup>so</sup> for several reasons - 1<sup>st</sup> I don't like the Gemen's People - They are popularly supposed to be thieves - 2<sup>nd</sup> D'Armenus and Preece are too influential - 3<sup>rd</sup> I am reliably informed that such a machine as I should require would cost me 150 £ - rather above my Pile - 4<sup>th</sup> I don't mean to show the light to any "interested" parties - until you so instruct me =  
Sir Wm will be in town in many and is coming to see the light - Tyndall and in fact all the Big Guns will be in London about that time. The new Parliament then opens & the London season opens in full blast =  
Now as you must by this time have quite a number of machines on hand could you not spare me the old Original Jacobs - If so could I keep up its field by putting

The Edison Telephone Company of London, Limited,  
Mansion House Chambers,  
Room No. 123, 11, Queen Victoria Street, E.C.

MANAGER & SECRETARY,  
ARNOLD WHITE.

Power? I should not <sup>understand it</sup> ~~know it~~ if  
if you so preferred - as the Elevator  
Engine is at the top of the House  
and completely isolated from the  
Public thoroughfares - I will gladly  
pay freight &c on it - What say  
you? When is Bates coming over  
if soon could he not bring one  
- or at least ~~take~~ its components &c  
as to meet it here? -

I saw Mirhead's foreman last night  
& I got out of him that Mirhead's  
had been to your place - saw the  
light & came away satisfied that  
you had as yet made but little  
Progress - that some tests made there  
developed the fact that you were  
unable to preserve the vacuum  
&c &c &c - Whether this man correctly  
represented Dr Mirhead's views  
of course is conjectural - but it  
is not at all improbable that  
he was simply repeating what  
the Dr reported to his firm - as

The Edison Telephone Company of London Limited.  
Mansion House Chambers,  
Rooms 37/38,  
11, Queen Victoria Street, E.C.

MANAGER & SECRETARY.  
ARNOLD WHITE.

"The man in question is <sup>London</sup> thoroughly  
up in all Electrical matters and  
holds an important position with  
his people. Now what did Michael  
say to you? I expect to see him  
in a few days about cables &  
I shall Philip him personally.  
Did you make any tests of your  
Old Lamps. Were the Vacuums  
much deteriorated - & if so, where?  
I presume they were defective  
somewhere - What progress in  
any direction have you made since  
I left?"

I take the general ground  
that the simplicity & cheapness of  
the lamp is such that, admitting  
for argument's sake that the vacuum  
can only be maintained for  
3 or 4 million years - the cost  
& trouble of ~~replacing~~ new lamps is  
so trifling that the thing is a big  
success anyway.

Yours Truly  
C. M. Johnson

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited  
Marion House Chambers,  
Rooms 2 & 3.

11, Queen Victoria Street, S.E.  
London 18.

P.S. As you would not "lower" himself  
to the level of a "mere subordinate  
of the Company" - and speak to  
"an ungrateful dog" - His curiosity  
to see the Lamp has to be held in  
check until such time as the  
"Dis honourable trickster" whom  
he "took from the gutter of Spain"  
and to whom he has "frequently"  
"loaned money" sees the error  
of his ways - & recognizes the  
superior fitness for all things  
Mortal of his Royal Neighbour  
"The Duke of Norwood" =



WM. H. CROSSMAN.

GEO. W. CROSSMAN.

W. H. CROSSMAN & BRO.  
COMMISSION MERCHANTS.

CABLE ADDRESS  
"CROSSMAN"

D.

New York, 23<sup>rd</sup> March 1880.

Thos. A. Edison Esq<sup>r</sup>  
Menlo Park. N.J.

Dear Sir,

We are in receipt of some orders for  
Export for your Electric machines or lights &  
would thank you to furnish us with some  
particulars as to price, mode of fitting up,  
wiring &c. You may have pamphlets  
perhaps, which supply all this information.

Have you agents in this City, to whom  
we could personally apply for what we want,  
in order not to inconvenience you with  
so many details?

Thanking you in anticipation,

We remain, Dear Sir

Yours very truly

W. H. Crossman W.H.C.

Some of Bell's apparatus  
We advise purchase from  
Fallen Lights

John K. Porter.  
Cassius M. Lowrey.  
Geo. W. Jones.  
Chas. Francis Stone.  
Geo. S. Hamlin.  
Wm. L. Porter.

*Porter, Lowrey, Jones & Stone.*  
*Attorneys & Counsellors at Law.*  
*No. 3 Broad St. New York.*

P. O. Box 1836.

March 25, 1836.

Messrs. Drexel, Morgan & Co.

Gentlemen:

As I am going away, I wish to express in writing my understanding of our arrangement with regard to the introduction of Mr. Edison's Light inventions into Portugal, New Zealand, New South Wales, Queensland and Victoria.

I have arranged between you and Mr. Edison that you shall have sole control of his said inventions in the above-mentioned countries, being the same inventions which will be patented in this country for account of the Edison Electric Light Company; you to advance all the expenses of securing such Letters Patent introducing and disposing of the same without any claim upon Mr. Edison for such expenditure, except that that may be deducted from the proceeds of sales of Patents or other dispositions of the right to use said inventions in said countries. The net proceeds of all sales or other dispositions are to belong to Mr. Edison and yourself in the proportions of sixty five per cent. to Mr. Edison

and thirty five per cent. to yourselves. Of your proportion, namely thirty five per cent. I am to receive one third.

Please answer and inform me if you find the above statement correct and inclose duplicate original of that answer, that one copy may be sent to Mr Edison for his ratification and approval.

Mr Edison will, on demand from; time to time, convey the title to all such inventions and Letters Patent to Egisto P. Fabbri and myself, as Trustees, under similar trusts to those already arranged for England.

Very truly yours

G. P. Lowrey.



John K. Porter.  
Governor Elavory.  
Gen. Miles Stern.  
Chas. Francis Stone.  
Gen. S. Hamilton.  
Wm. K. Porter.

P. O. Box 1836.

*Porter, Leavoy, Loren & Stone.*  
*Attorneys & Counsellors at Law.*  
*No. 3 Broad St. New York.*

March 25, 1880. 13

Messrs. Fabbri & Chauncey,

Gentlemen:

As I am going away, I wish to express in writing my understanding of our arrangements in regard to the introduction of Mr. Edison's Electric Light inventions into India.

I have arranged between you and Mr. Edison that you shall have sole control of his inventions relating to the use of Electricity for Light and power in India, being the same inventions which will be patented in this country for account of the Edison Electric Light Company; you to advance the money required for securing Letters Patent and introducing and disposing of the same without any claim upon Mr. Edison for such expenditures made by you except that they may be deducted from the proceeds of sales of Letters Patent or other dispositions of the right to use these inventions in that Country. The net proceeds of all other sales or dispositions are to belong to Mr. Edison and yourselves in the proportion of sixty five per cent. to Mr. Edison and thirty five per cent. to yourselves.

Please answer and inform me if you find the above state-

ment correct and inclose the duplicate original of that letter, that a copy may be sent to Mr Edison for his ratification and approval.

Mr Edison will, from time to time, upon demand convey the title to all such inventions and Letters Patent to Egisto P. Fabbri and myself, as Trustees under similar trusts to those heretofore fixed with Drexel, Morgan & Co. in respect to Great Britain.

Yours very truly

G. P. Lowrey.

$$\begin{array}{r} 1111 \\ 1561 \\ \hline 35283 \\ 58246 \\ \hline 362 \\ \hline 724 \\ 181 \end{array}$$
 2 1/2  
 905

C.P.S.  
 394  
 3  

$$\begin{array}{r} 81192 \\ \hline 14715 \end{array}$$
 147.15  
 F.R.W  
 1961  
 3  

$$\begin{array}{r} 8588 \\ \hline 73.10 \end{array}$$
 4  
 80

*Handwritten signatures and initials:*  
 [Illegible signature]  
 [Illegible signature]  
 [Illegible initials]

W. B. WENTON

WENTON AND ASSOCIATES

The undersigned hereby certifies that the above is a true and correct copy of the original as the same appears in the records of the Board of Health of the City of New York, and that the same has been compared with the original and found to be correct.

W. B. WENTON  
 City Health Officer

WENTON

This certificate is valid only when used in connection with the

John K. Porter,  
Governor E. Leavoy,  
Geo. Wiles Sarna,  
Chas. Emory Smith,  
Geo. S. Hamilton,  
Wm. L. Foster.

P. O. Box 1836.

*Porter, Lowrey, Soren & Soren,  
Attorneys & Counsellors at Law,  
No. 3 Broad St., New York.*

March 25, 1890. 41

My dear Mr. Navarro:

As I am about going away, I wish to express our arrangements concerning the introduction of Mr. Edison's Electric Light in Cuba.

I have arranged between you and Mr. Edison that you shall have sole control of his inventions for the Electric Light in the Island of Cuba, being the same inventions which will be patented in this country for account of the Edison Electric Light Company, and shall pay all expenses of introducing and disposing of the same in Cuba, without any claim whatever upon Mr. Edison for contribution, except as you may realize moneys by the sale of Patents. The net proceeds of all such sales or other dispositions are to belong to Mr. Edison and yourself in equal proportions. Mr. Edison is to make or secure for you from time to time the exclusive right to use all such inventions in Cuba by license under the Spanish Patent or in such other way as may be desired.

Please let me know if this is correct and send me duplicate original that one copy may be sent to Mr. Edison for his

ratification and approval.

Very truly yours

G. P. Lowrey.

J. P. Navarro, Esq.

*[Faint, illegible text, possibly a signature or a large block of text, mostly obscured by noise and bleed-through.]*

EXHIBITION AND LIBRARY.

Arch. Surv. Repts.

N. S. P. 100000.

Correspondence is  
G. P. Lowry from  
T. A. Edison, rela-  
tive light for  
Portugal, New-  
Zealand, New-  
South Wales, Queens-  
land, Victoria, Cuba  
and India

*Habit & Chamber*  
*Howe*  
*Edison*  
21 West 57th St.  
New York, April 1 1880.

Dear Sir  
I am in receipt of  
a letter from Dr Louis Ebart  
of Rio Janeiro  
& two others enclosing copy of a  
letter, probably rec<sup>d</sup> upon this  
week relative to procuring some  
right to introduce your elec-  
tric light in Brazil.

These gentlemen request me  
to call upon you in the matter  
and it is agreeable I will be pleased  
to do so on Saturday the 3<sup>rd</sup> inst.

Respectfully  
Yours  
J. S. Merriam.

3

Cable  
Answer 20 words paid  
Apr 8, 80  
11:30

Edison  
Menlo Park New Jersey

I  
Send instantly one Edison Generator  
One Meter and Everything necessary  
Lighting lamps with them instantly  
Obtain pure trademarks for entire  
invention. Draw on me for amount.

Piedermann

24 Geneva  
anspaid 20 words  
4-8

Apr. 8. '80

Biedermann

Geneva,

Regular size  
Cant spare, can send small  
models, ~~and~~ <sup>workable</sup> lamps  
suitable for model, ~~and~~ <sup>if</sup>  
that suits.

~~Edison~~

20 Collect

1/50. ~~1/50~~  
to: this date

145  
9 Wm

Blank No. 1  
**THE WESTERN UNION TELEGRAPH COMPANY.**

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is assumed by the sender, shall be limited to the value of the message.  
It is not an insured article and no responsibility is assumed for messages sent by telegraph, or  
for messages sent by TELEGRAPH, which are not in conformity with the regulations of the  
United States.

A. B. BAKER, Repr. NORWICH, N.Y. 2:30 PM

Date Cable 1886

Received and Answer 10 words paid

Edison

menlopark  
New Jersey

READ THE NOTICE AT THE TOP.

Small models sent to  
protect patent shall take  
papers each article in  
particular and all  
Combined therefore ship  
by Express model every-  
thing besides few ordinary  
and one street lamp  
Cable shipment but packages  
four received broken.

44 Geneva Biedermann  
Switz. - Answer 10 words paid



April 10, 80  
Budermann  
Geneva

All right - will do test -  
can immediately

Ant.

Apr 17, 80  
7:25 PM  
Answer paid as words  
Edison Menlo Park

Cable when sample shipped  
with name each. Names of articles  
to be protected must be submitted

Budermann

24 Geneva  
Ans paid 20 wks

Apr 22, 80  
10 12  
Edison Menlo Park New Jersey

Called you Monday answer  
paid please reply immediately  
Biedermann

12 Geneva  
No 9

Geneva

Cannot reply until  
we ship goods

N.P.

Call

Apr 26, 1880  
10 55 PM.

Answer paid 30 words

Edison Menlo Park  
New Jersey

Supplementary decree to new patent  
law will be published May 1<sup>st</sup> explaining  
in detail its applications will be able  
to have all in our favor if I know  
immediately name of each particular  
apparatus and when machines will  
arrive.

Biedermann

To Geneva

ans paid 30 words

apl 27 80

Biedermann Gen'ls

System consist, Electric Generator,

Electric pressure regulator, Electric

Meter, <sup>Lamp and</sup> System laying wire, also

Electromotor for power,

Will Cable when shipped,

Will send Copies <sup>Patent</sup> papers ~~\_\_\_\_\_~~

30 Collect Marshall  
This ans your no 1

Edison

10 45 AM 9/2/80

The Edison Telephone Company of London, Limited,  
Mansion House Chambers,  
Rooms, No. 113.

11, Queen Victoria Street, E.C.

London. 18.

MANAGER & SECRETARY,  
ARNOLD WHITE.

My Dr Edison

This is the sort of thing - which  
gets publication here - I have  
called the attention of the Times  
people to it as a fair specimen  
of the criticism of your work  
- pointing out to them the internal  
evidence of the writers interest  
in the British are light - & also  
as to your "Feral" Lawyer -  
whose proper sphere as a "Coyote"  
in science I have shown them -  
telling them that you looked  
upon his bark as that of a  
Ladies Lap Dog - send me the  
complete findings of Barker ~~Reubens~~  
& Co. & also your own views  
of progress, made since I left  
Newbs last

Yours  
Ed. Johnson

London (no date) April 1850

E. Johnson

No. 100

Cable

May 4 1880  
5-P.M.

answer paid 20 words

Edison

menlo Park N.J.

Have obtained concession on  
condition of delivering samples  
before June first if samples  
impossible drawings may perhaps  
answer Cable when machines will  
leave on their arrival can make  
you definite offers

Biedermann

39 Geneva

ans paid 20  
705

I have reason to believe would be a  
suitable party to have charge of  
this matter and is financially res-  
ponsible, your answer at earliest  
moment convenient will be greatly  
appreciated so that I may write  
at once to party in interests.

Very Respectfully

J. R. Plaster  
224 Williams St  
New York City

Cornell and Lamp  
J. R. PLASTER,  
NEW YORK,  
District of Columbia

1880  
May 4<sup>th</sup> 1880

get him make  
application for  
M<sup>rs</sup> E. F. Collins  
I send a copy of  
we will file it  
we hope to get  
practical  
of friends of mine re-

questing to make inquiry about Collins  
Electric with the view of obtaining for  
him the Sole Agency for Iowa  
Batteries, as previous correspondence at this  
great distance tells much to me he  
suggests the sending of something  
at once with proper instructions  
to use them, to be paid for in illi-  
nois, this latter would probably not  
be acceptable to you, hence if you in-  
form what a sample lot would cost  
I might conclude to pay for them  
upon shipment, the more readily  
if it were possible to secure them  
the Agency for my friend, when

6 Lombard Street  
London E.C.

7<sup>th</sup> May 1879

J. A. Edison Esq  
Mento Park  
New Jersey

Dear Sir,

Electric light

Mr. John M. Jacobson and Alfred Dollfus  
of the Indian Electric Light Company, called  
at this office to day to ask me to submit their  
names to you in connection with your Agency  
in India.

I am, Dear Sir,

Yours faithfully,

Arnold White

1 Enclosure.



J. A. E.

(May 10, 1880)

Fabba don't know - cant find out about  
Biedermann only by calling to Paris -  
It will cost 3 to \$4 to do this

Let them do it

T. A. EDISON,

Cable Menlo Park, N. J., May 11<sup>th</sup> 1880.

Biedermann, Geneva

Working on samples fear not reach  
in time have mailed papers

~~Jail Albertson~~  
10<sup>th</sup> West's Park 11 May

225  
9/40

Blank No. 1.

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A. B. BREWER, Sec'y

NORVIN GREEN, Pres't

Dated Cable May 11 1880

Received at

St. Edison

Medala Park N.Y.

READ THE NOTICE AT THE TOP.

Have appointment with  
secretary interior Thursday  
must know when samples  
will arrive can do  
nothing until protection  
obtained reply immediately

Biederman

Wm. Lincoln  
Hof

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

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pany will not be held liable for non-delivery of messages, or for delay in the delivery of messages, under the conditions  
herein set forth.

A. R. BREWER, Secy.

NORVIN GREEN, President.

Dated

*New York May 14<sup>th</sup> 188<sup>8</sup>*

Received of

*To J. H. Edman*

READ THE NOTICE AT THE TOP

*Drexel Hargis cable  
Biederman unknown  
try procure address  
Drexel Morgan & Co  
paid  
Hof.*

4

May 14, 80  
New, paid 2 despatches  
Each 20 words

Edison Menlo Park New Jersey

Hatten samples have arranged  
no concession be granted any  
one before June twentieth  
therefore must have refusal  
extended ninety days Cable  
immediately extension in one  
Telegram departure samples  
in another

Biedermann

41 Geneva

2 copies paid each 20 words

eeq

T. A. EDISON,

1  
Menlo Park, N. J.,

May 15 1880.

Biederman  
Geneva.

Refusal extends until August  
~~fifteenth~~ Edison

Collect

<sup>15</sup> 1/10 trans. time of 14  
2/10

DREXEL MORGAN & CO.  
Wall St. Corner Broad.  
New York.  
DREXEL & CO.  
Philadelphia.  
DREXEL, HARRIS & CO.  
Paris.

New York May 18 1880

1880  
May 18 1880  
Drexel Morgan & Co.  
New York

J. A. Edison Esq.  
Menlo Park,  
N.J.

Dear Sir  
Messrs Drexel Harjes & Co  
able us as follows:  
Drexelmann reported very venturesome  
means, having lost large fortune  
in America. Do not speculate  
said to have gone operations of him  
but we would advise great caution  
This you will please receive in con-  
fidence and without prejudice to us  
or D.H. & Co

Yours truly,  
Drexel Morgan & Co

ADAMS EXPRESS COMPANY,

59 BROADWAY,

NEW YORK,

May 24 1880

Thos Edison Esq

Dear Sir -

Richardson of Geneva

Singuland telegraphs me -

" Mr Edison and have him ship  
machines prepared for me, immediately - "

Will you please let me know when the  
machines will be ready for shipment, and  
by what steamer they will go, as he asks  
for an answer by cable.

Respectfully Yours

J. Young

Adams Express Co

NY

T. A. EDISON,

1  
Menlo Park, N. J.

May 25 1880.

Bidermann

Genève

Suisse  
Suisse

Samples sent today Davis  
Express

Edison

10 Collect

to ans to one of 14<sup>th</sup>



2

(May 1880)

New York 10

Edison

Menlo Park

When will lamps & machinery  
for Rudmann Genoa be  
shipped answer

J. C. Young

114 paid to see  
11 am

DREXEL MORGAN & CO.  
Wall St Corner Broad.  
New York.  
DREXEL & CO.  
Philadelphia.  
DREXEL, HARRIS & CO.  
Paris.

New York June 3<sup>rd</sup> 1880

Thomas A. Edison, Esq  
Menlo Park  
N.J.

Dear Sir,

Referring to our letter of 10<sup>th</sup> ult, we now beg to hand herewith a further report on Mr. Biedermann, Geneva, received by mail from our Paris House.

You will please consider this information as strictly confidential and <sup>use it</sup> without prejudice to us.

We are, Dear Sir,

Yours very truly  
Drexel Morgan

Biedermann Genève

C'est, nous dit-on, un homme trop entreprenant qui a perdu en Amérique une fortune de plusieurs millions dans des entreprises hasardeuses. Il s'occupe en ce moment de fonder une société pour l'éclairage d'Edison dont il a obtenu la concession exclusive pour Genève mais les personnes qui traitent avec lui se tiennent bien sur leurs gardes. On nous dit même que B. a la malheureuse habitude de jouer. Nous apprenons qu'il est allié avec de très bonnes familles en Amérique et en Europe et qu'il ont uniquement de ressources que lui fournit ses parents qui lui versent une pension car il a perdu entièrement sa fortune personnelle.

son 2<sup>e</sup> source.

M. B. n'est ici que depuis un temps relativement court, il s'occupe d'industrie & prétend avoir le monopole de la lampe Edison pour l'Europe. Il ne fait point parler de lui & nous croyons savoir que le Consul Américain d'ici le juge favorablement. Il touche une pension mais par petites sommes à la fois.

Received from Geneva May 15<sup>th</sup> 1880.

NY 14  
J. A. Edison

June 14, 80  
5:00

Mr Rice has just cabled  
me from Paris that the problem  
of lighting houses by electricity  
has been solved there and  
patented and is open to inspection  
of your Paris agent upon certain  
conditions Mr Rice will cable  
if desired full particulars can  
I see you in N Y tomorrow  
please telegraph

John S Barron  
sykes We care nothing about it,  
cannot come to New York

VP 44 3.10.80

Cable  
N. 200005 07

June 22 80

Edison Muelo Pan  
Received generator meter  
Cable taken remainder  
will arrive also at  
what of generator  
goes

Budermann  
22 Geneva  
Australia 200005

cc  
to 730pm

Generator sent only <sup>small</sup> sample  
~~not~~ lamps you have  
not suitable this size, will  
send you lamps suitable -

T. A. EDISON,

Menlo Park, N. J., June 24 1880.

Biedermann Geneva

Generator sent only small  
sample lamps you have  
not suitable this size will  
send you lamps suitable  
Edison

<sup>Miner Pen</sup> 20 Collect to ans. to one of 22<sup>d</sup>

8:16 am  
27-1174

John K. Porter,  
Governor of New York,  
Gen. Walter Sargent,  
Chas. Francis Smith,  
Gen. S. Hamilton,  
Wm. L. Brewster.

P. O. Box 1836.

Porter, Lowrey, Loren & Shaw,  
Attorneys & Counsellors at Law,  
No. 3 Broad St., New York.

June 25 1880

J. A. Hudson Esq,  
Dear Sir:

Mr Lowrey directs me to say to you that he has been endeavoring all day to make an appointment with Mr. Havens - to come over to do P. - but on acct of our telephone working badly he has been unable to communicate with Mr. H. - and on the whole, as the heat is at present so intense, Mr. L. deems it best that the visit should be postponed.

Very Respy

R. E. Brown

for C. P. Lowrey

THE EDISON ELECTRIC LIGHT CO.,

5 BROAD STREET,

NEW YORK, N.Y.  
E. H. GALLAGHER, V. PRES.  
J. T. FARRIS, TREAS.  
C. CHESBROUGH, MGR.

New York, July 1 1882.

J. A. Edison, Esq.

My dear Sir,

I have yours of this date inclosing letters from Sabini & Chauncey and advising me that Mr. Griffen would call on Sabini & Chauncey to-day to explain matters to them. I <sup>have</sup> just learned from Messrs Sabini & Chauncey that Mr. Griffen has not been in and as they are quite anxious to advise their correspondents in South America as to the true condition of the matters spoken of I hope Mr. Griffen will not fail to see them as soon as possible.

Very truly yours,

C. Gallard



Hy 13

July 19<sup>80</sup>  
940

Edison memo P

Send answer to my Telegram  
of Saturday want to table

J. E. Young

10<sup>paid</sup>  
119

Bierderman has  
all necessary appliances  
except another lot  
lamps which I  
am making



E. BIEDERMANN

Geneva, 28 July 1880.

Thos. A. Edison Esq<sup>r</sup>  
Menlo Park

Dear Sir,

I did not write to you before as I thought our correspondence by Cable sufficient and I wrote not bother you with long letters. —

In regard to the trade mark or what you may call a three quarter Patent I have done all the necessary. That is to say I made duplicate drawings of everything and translated all your papers into French and German and have placed everything in Bern at the right place, so that we will be almost the first who will get papers, but as every body who had a trademark under the old law comes before us we may have to wait a month or so to get our papers. —

I received from you a generator

a motor and a safety wire but no regulator nor lamp nor motor. —

I tried to burn the ancient lamp with this generator, which I excited with an ordinary Gramme machine, but the light produced was very small until I got the speed up to 2000 turns. —

Mr. Young cables me that you will send suitable lamps and I hope to receive them soon. —

Now to the business part:

As the lamp up to the present as far as I know has not come into practical use I make you the following proposition, which I hope will be acceptable to you. —

First I have associated myself for this business with Mr. Fr. A. Charolise and Mr. P. Zurlinden of this City, both gentlemen of first

E. BIEDERMANN

Geneva, 28 July 1880.

class standing. — (I send)  
 second) We have made a contract  
 with the "Société Suisse pour la  
 construction des Instruments Physiques"  
 (which is a Company for the construction  
 of scientific machinery and instruments)  
 in which we bind ourselves to give a  
 certain amount of work and they  
 bind themselves not to produce or sell  
 or imitate or improve any of our  
 machines, models or drawings except  
 by our order and for our account. —

All the above I give you as information  
 so that you may exactly understand  
 the position. —

Now we, Charles Biedermann  
 and Jurandou propose the following.  
 You give us the right of your invention  
 and of all further improvements  
 in Switzerland and we will at our

cost, besides producing the heavy  
 machinery at the Société Suisse,  
 establish another laboratory for the  
 manufacture of the Lamps and all  
 other inventions of yours. —

We to give you 50% of the net profit of  
 everything produced payable half-yearly.  
 We to sell only at such prices as will be  
 agreed upon with you. —

If you accept the above you must either  
 send somebody over here, who can  
 superintend our men and who at  
 the same time can watch your interest  
 or you would have to give us instructions  
 to the smallest detail of everything so  
 that we can manufacture as well as  
 you. — It would be certainly preferable  
 if you could send somebody who would  
 naturally come at our expense. —

The above arrangement has another

E. BIEDERMANN

Geneva, 28 July 1880.

advantage for you and it is the following: We believe that we will be able to light immediately at least a part of the town of Geneva with your lamps, which if a success (I don't doubt it) will be the most powerful advertising for the whole of Europe and of great advantage for you.

I think you will find the above proposal acceptable as it is impossible for us to pay an amount close like we have seen the light in practical use; but having an unlimited confidence in your final success, we are perfectly willing to risk a pretty large amount in making a laboratory and producing machinery and lamps and giving you 50% of the profits you taking no risk whatsoever.

Mr. J. C. Young of New York will call on you for the purpose of getting your ideas in regard to the above, and I hope you will be able to arrange with him. — I have instructed him to cable me your reply at once and if you accept the above the contract can be made immediately and we will begin in work without a day's delay. —

I remain Dear Sir

Very sincerely Yours

Eust. Biedermann

Edison  
copy

E. Biederemann  
Geneva July 28, 80  
Aug 17, 1880

T. A. EDISON,

Menlo Park, N. J.,

1880.

Write Biederemann

That it is possible for us to send a man. The light is a vast system <sup>of a new art's industry</sup> & before we can get things ready we shall have to arrange for the manufacture of our machinery. We were establishing <sup>the number of</sup> a lamp factory here with a daily capacity of 1200 lamps. This factory alone has cost many thousand dollars & months of labor in inventing automatic apparatus for cheapening the lamps, and working people had to be learned to work the apparatus. It would be impossible to establish such a factory in Switzerland sooner than 2 or 3 years hence. Everybody must depend for their lamps for a while on our first factory.

T. A. EDISON.

(2)

*Brand*

Menlo Park, N. J.,

1880.

Regarding the Engine,  
Our Dynamo machine is  
8 times larger & more powerful  
than any hitherto built. It works  
directly by an Engine of special  
Construction making 600 Strokes  
per minute. No belt or gears are  
used. To build this class of  
Engine & Dynamo cost \$150,000.  
have been invested in <sup>in</sup> Phila  
~~has been~~ The inventor of the Engine  
has spent 20 years in perfecting his  
Engine to obtain such high speeds  
with economy & reliability, he has  
traveld w<sup>o</sup>rkman etc so you  
see it would be impossible to  
make ~~this~~ ~~steam~~ ~~Dynamo~~ in  
Switzerland or in any other ~~country~~  
for some time, for the ~~establishing~~ the  
lighting of say Geneva all

T. A. EDISON,

2

Menlo Park, N. J.

1880.

Machinery must be sent from  
here with an Expert, thoroughly  
Capable to superintending the  
Erection of the plant for lighting  
5 or more square miles of a City.  
We are perfecting our arrangements  
here for the manufacture of all  
apparatus on a large scale,  
and will keep you posted  
regarding it, and when we  
shall be able to take an order  
to ~~light~~ for one station, lighting  
 $\frac{1}{2}$  a mile square in Geneva or  
Elmhurst.

Yours  
T. A. Edison



we do & say we have  
none on hand, but are  
expecting some & will attend to it.  
New York Augt. 13, 1880  
59 Broadway-

Mr Edison

Dear Sir -

I forgot to mention  
in our short interview yesterday  
that Bidderman wrote me.

"Request Mr Edison to send  
me one of his improved telephones  
I forgot to ask him in my  
letter"

Respectfully Yours  
O. S. Young.

ADAMS EXPRESS COMPANY,

59 BROADWAY,

NEW YORK,

Aug 14 1880

Mt Aldrim

file Beesderman

Dear Sir,

After my interview with you on Thursday I called Beesderman & your acceptance of his proposal -

He now sends me the following - "Recruit Cate - tells Edism impatient his man knows all dismissals and understand whole manufacture - Cate immediately when he departs"

As I suppose you have written him full particulars - and as it will be some time probably before you can send any - to General - will you be kind enough to give me an answer to his dispatch all your earliest convenience, that I can cable him and quiet his impatience

Respectfully,  
J. Spring

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the following message. It is to be attached to the message at the sending station for comparison, and the Company will not incur any liability in transmission or delivery of the message if the message is not UNDELETED, MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. H. BULEWICK, Secy. (Cable)

NORVIN GREEN, President.

Dated 10 1 188

Received at Menlo Park Aug 22

To Edison

*Menlo Park N.J.*

**READ THE NOTICE AT THE TOP.**

*Have sent contracts signed cable  
when your man leaves important  
to have one full sized generator  
and 60 ordinary lamps quickly  
Please send immediately cable  
when they will leave*

*Biedersmann*

*36 Geneva Ave paid 30 words*

*GH 4 934 A*

*Have sent the  
It is impossible and useless to do what you request. Please write in full*

T. A. EDISON,

Menlo Park, N. J., Aug 23 1880.

9  
Piedermann Geneve

It is impossible and useless,  
to do what you request.  
Have written in full

Edison

17<sup>th</sup> Menlo Park Collect  
his ans to  
one of today

Memorandum of Agreement  
made this \_\_\_\_\_ day of \_\_\_\_\_  
A. D. 1880 Between Thomas A. Edison  
of Menlo Park, in the State of New Jersey,  
United States of America  
of the first part  
and  
Emst Biederman, A. M. Schrubling  
and Gaspara Zurlinden, of Geneva,  
Switzerland  
of the second part.

Whereas the party of the first part has made certain inventions relating to a system of furnishing Light and Power from Electricity, constituting essentially a new system known as the Edison System, and whereas the parties of the second part are desirous of acquiring the right to make, use, and vend to be used, such system and the means employed therein, Now therefore this indenture witnesses as follows:

First

The party of the first part, hereby grants assigns and sets over to the parties of the second part, the exclusive right to make, use and vend, and to license others to make, use, and vend in Switzerland, (but in no other country) All his inventions relating or appertaining

to or embraced in his system for furnishing Light and Power from Electricity, and this for the term of fifteen years from and after the time hereinafter fixed (see brief article), subject only to such restrictions and limitations as are hereinafter expressed.

Second

The provisions of the foregoing first section are to extend to and include all improvements which the party of the first part may hereafter make upon the aforesaid inventions.

Third

It is expressly understood that this indenture relates only to inventions pertaining to the Edison System of furnishing Light and Power to stationary motors, and to no other inventions whatever, and that it is limited to Switzerland, and that no licences or concessions are to be made or devised or appliances made or sold to be used out of that country.

Fourth

The party of the first part is to direct what is to be used in the practical workings of his system, and no methods or means or devices are to be used in connection therewith or introduced therein except upon his <sup>approval</sup> or <sup>written</sup> order.

Fifth

The parties of the second part agree to establish a factory for the manufacture of the Electric Lamps, used in the System and to

order all other instruments and machines necessary therein excepting Steam engines of the Societe Lenovier pour La construction des Instruments de Physique with which Society they have a contract prohibiting the said Society from manufacturing any similar instruments or machines for any other parties.

It is agreed that the steam engine to be used shall be manufactured only at the place and by the party or parties approved by the party of the first part, the right to import such engine into Switzerland, to be sold only to or through the parties of the second part, being reserved from the right of manufacture in Switzerland herein conferred.

Sixth

The parties of the second part agree that no licence under, or concession or sale of all or of any portion of the rights herein conferred is to be made without the written consent of the party of the first part, and that they will not sell, license or in any manner convey rights in any of the inventions or devices herein included at a price lower than that approved by the party of the first part.

Seventh

The party of the first part agrees to send to Lenora, as soon as he can conveniently do so, a skilled workman from his Laboratory, understanding the manufacture

of the devices used in the system and their operation, who shall give the instructions necessary to the commencement of the manufacture of the device and the operation of the system.

Eighth

The parties of the second part agree to pay the whole cost of establishing any works or manufacturing necessary to the carrying out of this agreement.

Ninth

In consideration of the foregoing the parties of the second part agree to pay to the party of the first part one half (fifty per centum) of the net profit arising from any and all transactions agreements or sales of the inventions herein referred to, or of the rights herein transferred, agreeing further that the party of the first part shall not be responsible or liable for any portion of any losses which may be incurred in any or all of such transactions or sales, it being understood that if there be any losses they are to be borne entirely by the parties of the second part.

Tenth

The parties of the second part agree to render, under oath, to the party of the first part, on the first day of May in each year, an inventory and account and balance sheet of all transactions and sales of the year ending on the preceding last day of April, showing the net profit, and to pay



on said first day of May, to the party of the first part the portion of the profits accrued to him in the ninth Article.

Eleventh

The party of the first part shall have the right at any time, either in person or by duly authorized Agent, to inspect and examine all the books of account of the parties of the second part in order to verify the statements provided for in the tenth article.

Twelfth

This contract is to be in full force and binding upon all concerned from and after its signing by all the parties interested, and the term of fifteen years provided for in the first Article is to commence upon the day when the first system is first put into actual operation in any part of the world.

In Witness whereof we have hereunto set our hands and seals (in duplicate) upon the date hereinafter noted.

Witnesses as to Edison  
 J. F. Miller }  
 Otto Kellner

Witnesses as to  
 Biedermann, Gutblich  
 and Kurbinder  
 Syll V. Adams  
 D. Hoeniger  
 [Signature]

Thomas Alva Edison  
~~Insolvent~~

A. M. Herbert  
 [Signature]

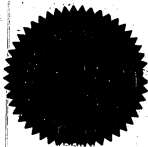
Josiah Zerkindley  
 [Signature]



Consulate of the United States  
Geneva Switzerland

It is remembered that on this  
thirteenth day of September A.D. 1880  
before me the undersigned, Consul  
of the United States at Geneva Switzerland  
personally appeared Ernst Fiedersmann,  
A. M. Cherbuleiz and Joseph Kurbinden  
who are known to me to be the persons  
described in and who executed the  
foregoing instrument and I having  
first made known to them the  
contents of the same they acknowledged  
that they signed, sealed and delivered  
the same as their voluntary act  
and deed for the uses and purposes  
 therein mentioned.

Given under my hands  
and seal of office this  
day and year last  
above written.  
Lyell J. Adams  
Consul



State of New Jersey }  
County of Middlesex } 20

Be it remembered that on this ninth day of September 1880 before me a Notary Public duly appointed in and for said County personally appeared Thomas Alva Edison who I am satisfied is the person described and who executed the foregoing instrument and I having first made known <sup>to him</sup> the contents thereof he acknowledged that he signed, sealed and delivered the same as his voluntary act and deed for the uses and purposes therein expressed.

Stockton L. Griffin

Notary Public

Middlesex County

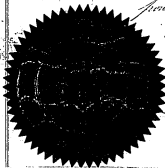
N. C. R. No. 1102 }  
Emblem of 20 }



Je soussigné, le Notaire Public de la signature  
du Sieur Stockton L. Griffin, un notaire public pour  
le Comté de Middlesex dans l'Etat de New Jersey et de  
son sceau d'office y attaché ainsi que pour la  
légalité de ses actes officiels  
Philadelphie le onze Septembre mil huit cent quatre-  
vingt (le 11 Septembre 1880).

Le Comte de la Confédération Suisse  
pour les Etats de Pennsylvanie et de New Jersey  
Etats-Unis de l'Amérique du Nord

Rodolphe Koradij



Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been assumed by the sender of the foregoing message, at the sending station for completion, and the Company will not hold itself liable for errors or delays in transmission or delivery of unrepeatable messages.

This message is an UNREPEATABLE MESSAGE and is delivered by request of the sender, under the conditions hereinbefore.

A. H. TILLEY, Esq.

NORVIN GREEN, President.

Dated New York Sept 11<sup>th</sup> 1887

Received at W. Cuba Park

To Mr. A. H. Tilley J. A. Edison

READ THE NOTICE AT THE TOP.

*Bryman wants Contract  
thirty years or over instead  
five. Reply at once if a  
capable man agreement  
Conform deliver here soon  
as possible.*

*J. B. Young  
adams &  
ny*

*Margare philadelphia (5 cents)  
get consuls certificate  
will do as you say  
Edison*

New York Feb 14/80

Mr. Adams

Dear Sir - We only await  
the completion of  
our new steam  
engine to make  
Biederman's  
Exhibit about 5 weeks

General desires me to cable  
him as to the time of your  
illumination of Meulapark  
for which you have been  
preparing - If any time  
has yet been set - will you  
please inform me that I  
may notify him -

Respectfully Yours

J. J. Sperry  
57 Broadway.

Private

Earle's Hotel

corner Canal St. New York.

Sept 16. 1880.

Have answered by Telegram  
to come over Monday

My dear Sir.

I wish let me thank you  
for the great courtesy & kindness you  
showed me yesterday. I think I  
now see clearly that your system  
of lighting will be practicable & a  
great success, and I beg to lay  
before you the following proposal.  
The Commissioners of Patents  
& Her Majesty's Government, have given  
me authority to light the Patent  
Museum and Library at South  
Kensington with Electric light as an  
experiment, provided any inventor  
is willing to do so below his light.

Proposals have been made to me by the inventors of various systems, but hitherto I have not felt satisfied as to the one to be selected.

Now however I have no longer any doubt, and I venture to propose to you to light the Patent Museum & Library by your system this coming winter.

I think it offers to you the following advantages -

It is the Scientific Museum of England, in which are enshrined all the Historical Models, Stephenson's "Rocket", the Comet & Gwynne's Machine Engines, Puffing Billy, the first Engine that ran on a smooth rail, Bessemer's, Trevithick's, & the original Engines.

Further it has a large collection of modern inventions - notably all Sir Charles Wheatstone's, & now happily some of your own &

It is the property of Her Majesty's Government -  
It is open free to the Public &  
its attendances have averaged  
for the past 10 years 230,000  
annually -

It is open Wed: Thursday  
Friday till 5 pm. and on  
Saturday Monday & Tuesday till  
10 pm.

I venture to think that  
the first building you light in  
England should be this one, you  
will do it honour, and I trust  
it is not unworthy of it. My  
Chief Engineer is a very intelligent  
man, and will be quite capable  
of attending to the lighting.

The Museum is on large  
hall some 120 ft square with  
library adjoining, and is now lit  
by some 200 gas lights.

If all your patents are  
secured, it would be very desirable



The Wife  
to Mr. S. M. M. M.  
Apr 16/1870

to do it without delay.

You will allow me to do so  
I will come to Meads Park, and  
talk this over with yourself &  
Mr. Johnson on Saturday afternoon  
if you prefer it Monday  
Kindly send me a letter or telegram  
tomorrow -

As Mr. Welby is gone back  
to Washington I send him copy  
of this, as he having so kindly  
saved me to you, I wish him to know  
of it -

I shall propose it is kept  
quite quiet till all ready - I then ask  
the Prince of Wales - the Lord Chancellor &  
other eminent people to counsel  
the inauguration. I am, my dear Sir,  
very faithfully  
yours  
R. Sturtevant - Patent Office  
South Kensington London.

Charles Hotel  
cor Centre & Canal Sts  
New York City. <sup>Sept 29, 1900</sup>

My dear Sir,

I propose coming  
on Monday afternoon by  
the 3 pm train. I shall  
return by the 6-29, but  
that will give us time to  
talk of the flighting the  
Patent, Museum.  
Kind let me have  
a line tomorrow & say  
that will suit you.  
Very faithfully,  
H. Street Wrotter.

In case you may go to the Museum  
for our "Edison Case" in your  
than ~~one~~ <sup>two</sup> mail labels.

1 090.

EDITORIAL  
DEPARTMENT.

The Ironmonger and Metal Trades' Advertiser,

44a CANNON STREET, LONDON, Sept 24 1880

T. A. Edison, Esq.,

Menlo Park,

New Jersey,

U.S.A.

Dear Sir,

Eaching of power  
Recent progress of electric  
light has led to  
many large one  
being erected  
and the use  
of electric means  
will be happy  
you must  
be satisfied  
to make it

Within a few weeks hence numbers of the principal thoroughfares of this City will be lighted by means of the Electric Light, already in use on the Thames Embankment here. Inasmuch as this circumstance is certain to give rise to a further amount of interest in the progress of this means of illumination I should much like to hear from you as to your own recent labours & developments in electric lighting, with any tables, diagrams &c you may need to express or explain your descriptions. The adoption of this course would, I think, prove eminently satisfactory to your own best interests & would, further, please your many admirers in this country. This journal, as you may know, has an almost universal circulation amongst scientists, users of electric light &c, & it is regularly quoted by all the English newspapers from the Times downwards. If convenient to yourself I would like to have your paper or letter, by about October 14 or 15<sup>th</sup> next, yours faithfully  
The Editor

Cable  
4

Sept 29 - 1880

11.19 PM.

Edison Menlo Park N.J.

Contract received. I have sold to  
Societe d'Industrie de Gaz Genevoise  
and Hentech Co Lullien Hentech Co  
Galopin Brothers Co Lombard Odier  
Co the right of using your light  
in all Switzerland alone for 50 per  
cent net profits reserving for ourselves  
manufacture of all lamps and apparatus  
including laying wires binding them to  
purchase only for us this in your interest  
as these are the strongest houses in  
Switzerland and therefore afford best possible  
guarantee against all imitation, competition,  
or opposition. Please cable date your grand  
trial and I will leave for New York  
immediately as I desire to submit several  
important offers received which I believe  
you will find highly satisfactory.

Piedermann

125 Geneva

answers paid 20 words

Edison  
Sept 29 1880

Cable

Sept 30 1880

5 PM

answer paid 30 words

Edison Menlo Park New Jersey

Confirm cable just sent as  
sixth article contract requires  
your consent please cable  
immediately in separate dispatch  
approval of my sale to Societe  
Industriele de Gaz and associates

Biederer

36 Geneva

Reply paid 30 words  
129

Oct 1st 1880

W. Biederer  
Geneva

~~What~~ you have *vous* *proposés*  
~~of exploitation~~ *perhaps they*  
purchase to protect their gas interest  
and will stop ~~the~~ exploitation ~~of~~  
when secured to them, I suggest you  
come here before closing ~~the~~

Edison

3/4 MP

E. BIEDERMANN

Geneva, 1 October 1880.

Thomas A. Edison Esq  
Menlo Park

Dear Sir,

I beg to acknowledge receipt of your favor of the 17<sup>th</sup> August as well as of the two Contracts which were forwarded to me by Mr. C. C. Young. —

The Contract is quite satisfactory and I beg to return you enclosed one copy signed and certified by the United States Consul.

I sent you a day before yesterday the following two cable messages:

"Contract received. I have sold to Societe d'Industrie de Gaz Genevoise and to Kientzsch & Co., Lullin Kientzsch & Co., Galoprin, Bonthoux & Co., Lombard Odier & Co. the right of using your light in all Switzerland alone for 80 percent net profits reserving for ourselves manufacture of all lamps and devices including buying wires binding them to purchase

only of us. This in your interest, as these are the strongest houses in Switzerland and therefore afford best guarantee against imitation competition or opposition. Please cable date your grand trial and I will leave for New York immediately as I desire to submit several important offers received, which I believe you will find highly satisfactory. —

Second dispatch:

"Confirm cable just sent. No search article. Contract requires your consent please cable immediately in separate dispatch approval of my sale to Societe de Gaz and Associates."

I am up to now without reply but hope to receive your cables by tomorrow.

To catch this mail I will only shortly explain you what I did and by next mail I will send you a long letter

E. BIEDERMANN

2

Geneva, 1 October 1880.

explaining everything in detail. —

The Messieurs Cherbuliez & Julinien  
have passed a provisory Contract with the  
houses mentioned in the first dispatch to  
give them the right to light with the Edison  
light all Switzerland as against the payment  
of 50% of their net profits, they to buy all  
Lamps and instruments & machines &c  
for 50 years only of us and we to make  
all installations for their account. — For  
this purpose they have formed a Company  
with a Capital of \$50,000. — paid and  
increasable to any amount needed for  
the working of your light or your motor.

This Company is in our hands and the  
money paid in since the 10<sup>th</sup> instant. —  
As the Inventor or Gas owns most  
Gas Companies here they can lay down  
to whom they like which other people  
would have great difficulty to do any

in towns where the Gas Companies have  
as to say Monopoles. — Against the  
4 mentioned houses no one in  
Switzerland will dare to end make  
opposition. —

I have further formed a Company  
"unlimited" with one hundred shares  
of 500 francs each in for the purpose of  
building the factory here and for  
producing lamps and devices necessary  
for your Light and for your motor  
This Company remains permanently  
under the direction of us Biedermann  
Cherbuliez & Julinien. —

Thus on some further particulars by  
which we make out of the first named  
Company a little more than 50% which  
I will all give you in my next letter  
and also about other propositions I  
have to make, but I have only 5 minutes

E. BIEDERMANN

3

Geneva, 1 October 1880

left to catch this mail and must  
therefore close my letter. —

Trusting that everything will be  
satisfactory to you. Adieu  
my dear Sir

Yours very truly  
E. Biedermann

E. Biedermann  
recd  
Oct 10 1880



Blank No. 1.

## THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS and DELIVERS messages only on condition, including its liability, that the sender is entitled to the service of the telegraph.

The Company will not be held liable for any delay in the sending of a message, or for any loss of a message, or for any delay in the delivery of a message, or for any loss of a message, or for any delay in the delivery of a message, or for any loss of a message, or for any delay in the delivery of a message.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. H. BREWER, Secy.

NORVIN GREEN, President.

Dated New York Oct 25 1880

Received at New York  
To Thos A Edison

READ THE NOTICE AT THE TOP.

If you can spare Upton  
and he is willing I should  
like to see him at two  
o'clock at my office  
in regard to building  
to Mr. Fursten.

Thos Fursten

Expected 9:30 am  
95th St address in New York

Upton gone away

Edison

Cable no 3 - <sup>(add please)</sup>  
Edison Mulo Paris <sup>Oct 21/18</sup>

Have special agreement  
binding them to Exploit light  
more over societe industrielle  
gas is a financial company  
owning no gas works in  
Switzerland please cable  
immediately your approval  
contrary are sure you will  
be satisfied all is well  
done

Budimir

409 meos anepd 10 was

Eu x 642 pm

Cable  
Edison

Oct 2<sup>d</sup> 1880  
7:20 P.M.

Menlo Park

Second cable date grand trial  
want to be present but can-  
not stay long coming over  
anyhow to offer you  
transaction cash and royalties  
for East Indies and with  
offer to your company for  
parts of Europe from  
strong financial syndicate  
Please if possible conclude  
nothing till my arrival

Pickermann

50 Geneva  
ans paid for 30 wds

(76)

Biedermann &  
Geyer

Oct 5 1880

I approve if parties  
guarantee exploitation  
Exhibition takes place  
five weeks

Edison

14. Collect amount of 20

T. A. EDISON,

Menlo Park, N. J.,

Oct 14 1888

Cable

Edison

Menlo Park New Jersey

Have closed contract intend  
leaving in Steamer Scythia  
16 October with special agreement  
for working besides with powers  
and delegate for East India business  
if you have anything to say cable  
me today Langham Hotel London.

Piedermann

40 Ostende  
1889

Blank No. 1.

## THE WESTERN UNION TELEGRAPH COMPANY.

This Company TRANSMITS AND DELIVERS messages only on conditions, limiting its liability, which have been submitted to by the sender of the communication.  
Charge must be prepaid subject to the company's right of retaining a message back to the sending station for nonpayment.  
The Company will not hold itself liable for errors in transmission or delivery of communications under the conditions stated above.

A. N. NEWELL, Sec'y.

NORVIN GREEN, President.

Dated New York, Oct. 25<sup>th</sup> 1886

Received at MENLO PARK N.J.

To J. A. Edison

READ THE NOTICE AT THE TOP.

Will you be at  
home tomorrow morning

J. C. Young  
59 Broadway

Spaid.

<sup>2</sup>  
NY 27<sup>th</sup>  
PA Edison

Oct 27, 80  
2:57 PM

Will you be home  
tomorrow coming with  
Biederman

J. Young

Yes

NYB

Nov 3, 80

11 10

Edison

My Young man Henry

Comes down with me

On lock train I come

Thursday

Biderman



T. A. EDISON,

Menlo Park, N. J., 15 November 1880.

My dear Sir,

I have come with the 4<sup>th</sup> train but Mr Griffin just informed me that you are very busy with the Director of the Liberty Bell Co and consequently it is no use my waiting. I will come with the one o'clock train tomorrow please keep yourself free as I have some very important news.

Yours very truly

Thomas Edison

FABRI & CHAUNCEY,  
ROBOX HTI.

118. South Street  
New York, Jan. 17<sup>th</sup> 1880

Dear Sir

Several official representatives of the Gov. of Louisiana are now here on the way to Europe and have applied to us, thro' a friend, for facilities to see your electric light & make your acquaintance. —

Will you please let us know at your earliest convenience what evening, next week, would suit you best to receive them, and we will

give them an introductory letter to your good self accordingly. —  
Awaiting your reply or remain

Fabrizzi's  
F. Fabrit Chauncey

J. A. Edison Esq  
Menlo Park  
N. J.

Thursday  
evening

NY 232

Nov 23-80  
5-52 pm

V. A. Edison

The cables you demand will  
cost you altogether two hundred  
forty dollars delivered in  
Switzerland freight and duty  
are extra. telegraph to Fifth  
Avenue Hotel if I shall order  
them by cable the latter at  
your expense  
Biedermann

37 paid

yes if the message will not  
cost more than fifty dollars  
Edison

E. Bredeman & Bredeman, Sen.  
E. Bredeman

Mr 20  
I case you shall succeed  
in obtaining for me a contract  
with the new Co to be formed  
to work the Berthoud & Boul  
patent for lead covered cables at a reduction  
of 25% from their prices to the  
French Govt, I will give you a  
commission of 5% per annum  
on the

T. A. Edison

T. A. EDISON,

Menlo Park, N. J., Nov 26 1880.

E. Bredeman

Dear Sir

In case  
you shall succeed in obtaining  
for me a contract with the new  
company to be formed to work  
the Berthoud & Boul patent for  
lead covered cables at a reduction  
of 25% from their prices to the  
French Government, I will give  
you a commission of ~~5%~~<sup>20%</sup> on  
and reduction.

Yours truly

Thos A Edison

Then you give  
me a letter that  
you give me to

Read  
it.

Free Bidson

Nov 26. 1880

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been accepted to by the sender of the following message. If the message is delayed or lost, the Company will not hold itself liable for errors or delays in transmission or delivery of the message. This message is an UNRECORDED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. S. BIRNBAUM, Secretary.

NORVIN GREENE, President.

Dated New York 26 (Nov.) 188

Received at Edison

Please send me the letter  
addressed to Barlow Monday  
to Bellegr Lichenstein Fifth  
Mrs exchange place at my  
expense by special messenger  
via Metuchen  
Budinman

24pd un  
2 115pm

sent the papers  
W.C.

READ THE NOTICE AT THE TOP.

Blank No. 2.

## THE WESTERN UNION TELEGRAPH COMPANY.

### ALL MESSAGES TAKEN BY THIS COMPANY SUBJECT TO THE FOLLOWING TERMS:

No grant against initials or delay, the sender of a message shall order it otherwise; that in addition to the ordinary rates the sender, for extra, shall pay the regular rates in addition. It is agreed between the sender of the telegraphic message and the Company that no Company shall be liable for mistakes or delays in the transmission or delivery, or for non-delivery, under whatsoever circumstances, whether depending on negligence of the sender or otherwise, beyond the amount received for service of the message, and for damages or delays in the transmission or delivery, or for non-delivery, of any message transmitted after the time when transmission is begun in the morning of the day, or for service of any message or cable message, and the Company hereby makes the sender of the message, without limitation, to forward any message over the lines of any other Company which consent to receive the message.

A. H. BREWSTER, Secretary.

Messages by customer in writing, stating amount of rate, and payment of position thereon at the following rates, in addition to the basic charges for repeated messages, that are per word, for one message per repeating line, and one per word for any special contract. No message of the Company is transmitted to any of its stations.

No message shall be transmitted unless it is received by the Company with the amount of payment and amount of rate of the transmitting office, and a message is sent to such office by one of the Company's messengers, in case for the purpose of the speed of the service.

Messages will be delivered free within the prescribed free delivery limits of the several offices, and delivery at a greater distance, without charge will be made to cover the cost of such delivery in any case where the claim is not presented in writing, within sixty days after made.

NORVIN GREEN, President.

*New York Nov 26 1880*

Send the following message, subject to the above terms, which are agreed to.

*To Edison  
I have not received the letter addressed  
to Barlow send immediately by  
special messenger at my expense  
must have it on the morning  
telegraph when it will arrive  
Giederman*

READ THE NOTICE AND AGREEMENT AT THE TOP.

G. Biedermann  
Nov 26

Nov. 26 1883

J. L. M. Barlow Esq  
New York

Dear Sir,

I have been informed by  
Mr. Biedermann that there is a  
Company in formation which  
will produce Electric Cables in  
accordance with the Beethoud  
Ariel Patent dated 2<sup>nd</sup> November 1881  
N<sup>o</sup>: 255,970.

Having found these Cables the  
best I have seen until now and  
exactly suitable for all Electric  
purposes and in particular for  
my use, I should be glad to enter  
in a contract for a large quantity  
of these Cables at a price of 25%  
below the selling price Mr. Biedermann  
has shown me ~~in~~ his plan and which



are the prices at which these  
Cables are sold in Europe. —

I remain Dear Sir  
Very truly Yours

(COPY)

Fabbri & Chauncey,  
P. O. Box 1471.

48 South Street,  
New York, Nov. 26th '80.

My dear Grosvenor.

I called at your office today, and was sorry to hear that you are still confined to the house.

I am about to enter into negotiations for the introduction of the Electric Light in India, and before proceeding with the business, I wish to know whether you have any objection to its being carried out on the plan of our getting a large return of the profits to be derived from the undertaking. I do not think it feasible in this case to sell the invention out and out, or to obtain any money down in advance. I wish also to know if you have the matter of the right and patents for India in proper legal shape with Edison, so that we shall be perfectly safe in making arrangements for the disposal of the same to other parties. I ask you this because Soren told me that it is his impression that Edison has never confirmed to you in writing the arrangements made with you about India and other countries abroad. Please let me have your reply by Monday as I have made an appointment to talk the matter over with my party on Tuesday.

2

I understand that Edison has made an arrangement with somebody for Switzerland. It would be both useful and interesting for me to know the terms of the agreement.

Hoping that you may be soon about again,  
I remain, with kind regards to Mrs. Lowrey,

Yours,

F. G. Fabbri.

(Nov. 27 '80)

My ex  
T. H. Wilson

Parties from Matamoras  
Cannot go tomorrow  
Will advise you  
When they can visit  
Yours  
Fabrizio & Charney

Paid

Ferrytown, Nov. 28th 1890.

My dear Friend:--

Yours of the 28th has reached me here. I hope to be down next week for business.

India nego-  
tations, )

I shall be entirely satisfied and so no doubt will be Mr Edison to have you negotiate for a compensation by participation in the profits in the place of an out and out sale in India if it should continue to be your opinion that that is the best method of dealing with the subject in that country.

Legal Title. )

I have not got the rights and patents for India in proper legal shape with Mr Edison, although I understand that it only needs that I should give attention to the matter to have it properly arranged at once.

I wrote him nearly a year ago a letter of which you, I think, have a copy, expressing the arrangement which on his behalf I had made with your firm for India. I had to send him several other letters at the same time respecting various other countries and parties. He did not reply to me then and

On my return from Arkansas I ascertained that he wished to ask me a question about one of the European countries touching some points which he had not fully understood. I answered that, and he then said he would reply to the letters confirming my arrangements. You know how depressed he has been since that time, and I have not again referred to the matter. I will do so now however, and in respect to India, will ask him to make such assignments as will give you the power to deal as was contemplated with that country, and under which you have been paying the expenses. I would strongly advise you however before going much into the details of the negotiations, to visit Mr Edison and get his ideas. You will find them very business like, and as the subject is a new one to you, he will give you a great many points which you might otherwise overlook. The development of the telephone business as a commercial undertaking may not furnish much light on the present subject, but will at least warn us that we cannot be too careful. Mr. Brown will give you the form of the

license to use by the Telephone companies and also  
any advice that you may require in these negotiations.  
Switzerland. I saw something in the newspapers about Swit-  
zerland. I know nothing about the terms of the ar-  
rangement. That company belongs to the European  
Light Company, of which Mr. Soren has knowledge, and  
he or Mr. Edison will be able to give you the informa-  
tion.

I will send a copy of this letter to Mr. Edison  
to whom I am writing today, together with a copy of  
your letter.

Hoping to see you soon, I remain as ever,

Yours truly,

*J. P. Army*  
*M. S.*

24<sup>th</sup> Nov 1880  
Buckman et al  
Quits

After having  
examined the Court made  
between you and the General  
and also the date 15<sup>th</sup> Sept  
1880 and of the contract  
made between you and the  
Elic apparatus works at  
Geneva dated 8<sup>th</sup> Sept 1880  
I declare by these presents  
that I give my entire  
approbation to those two contracts  
with the reserve however  
that neither of the 2 said  
Cos shall use any machines  
or lamp of my system  
manufactured or bought by  
them for employment  
outside of our country  
this condition ~~is~~ is  
in accord with the contract  
made between us

T A E

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company transmits all messages **without charge** only on condition, limiting its liability, which have been accepted by the sender of the following message, in the sending station by acceptance, and the Company will not hold itself liable for errors or delay in transmission or delivery of messages sent in this manner. If an **UNRECORDED MESSAGE** is delivered by request of the sender, under the conditions stated above.

A. R. BIRNBERG, Sec'y.

NORVIN GREEN, President.

Dated New York 11/21/80 1880Received at MENLO PARK N.J.To Edison

READ THE NOTICE AT THE TOP.

Is Wilbur there if  
 Is tell him want see  
 him immediately. reply

Biebermann

12/20

H. N.Y. 12/1/80

Edison m.s.

Have only one dispatch  
 from you must have Wilbur  
 here tomorrow morning Early  
 telegraph for him if he is  
 not with you

Biebermann

22/20 E. J.



Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been submitted to by the sender of the following message.  
Messages may be returned postpaid by repeating a message back to the sending station for completion, and the Company will not hold itself liable for errors or delays in transmission or delivery of uncompleted messages.  
This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions named above.

A. H. BREWER, Sec'y.

NORVIN GREEN, President.

Dated New York Dec 1st 1886

Received at MENLO PARK N.J

To Edison

READ THE NOTICE AT THE TOP.

Am without reply must know where Milbur is and want to see him today as I want his report about Cable telegraph at once to him. if he is not with you and send him to me Fifth Ave Hotel - I pay all expenses reply Fifth Ave.

*Richardson*

47 paid

Blank No. 1.

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A. H. BREWER, Sec'y.

NORVIN GREEN, President.

Dated New York Dec 1st 1886

Received at MENLO PARK N.J

To Thos A. Edison

READ THE NOTICE AT THE TOP.

Guatemala parties will come tomorrow afternoon - will it be convenient and we at our expense

*Fabriz Schuney*

14 Pa

I shall be busy in patent suit but Mr. Appleton will show them around  
Edison

32 Odesa Dec 5. 80  
A. Makarivitch  
9 Jan 19-81

577 December 1880.  
Odesa.

M<sup>r</sup> Edison,  
New York.

America.  
We are not prepared as yet to  
sell lamps, but will shortly be  
in <sup>London</sup> ~~London~~ <sup>England</sup> ~~London~~  
Gentlemen,

Sately, having read in  
the newspapers that you  
invented a new Electric  
Lamp, the cost of which  
does not exceed in comparing  
the produced light, therefore  
sply to your kindness to  
send me two of the said  
Lamp to your invention,  
also the the price is

J.

08.05.18 1858

18-11 1858

English money, which will  
be sent to you by first post  
At the same time I will  
send you a great pleasure  
to introduce your invention  
in this country, as also to be  
in correspondence with you  
on the subject.

Remain Gentleman,  
Yours truly,  
A. Makarievitch.

My address:

M<sup>r</sup> Adolphe Makarievitch,  
Deribas Street,  
Near Prince's San Lorenzo,  
N<sup>o</sup> 1, quarters N<sup>o</sup> 18. —  
Odessa, Russia.



E. J. Biederman  
% Baltzer ~~Philadelphia~~

Dec. 9, '80

52 Exchange Place

NY  
Letter sent in regard

to cable wire. Have you  
received yet.

N. A. Edison

10 A.M.

910

27 Nov

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the sender of the message.

Errors are to be made at the sender's risk, in the sending station for completion, and the Company will not hold itself liable for errors or omissions in transmission or delivery of messages.

Messages are an UNREPEATED MESSAGE and is delivered by request of the sender, under the following conditions:

A. R. BREWSTER, Sec'y.

NORVIN GREENE, President.

Dated NY Dec 9<sup>th</sup> 1880

Received at MENLO PARK N. J.

To Edison

READ THE NOTICE AT THE TOP.

Have not received  
any letter but want  
it very badly

Biederman

to send

Dec 10, 80 12:45 pm

3

ny 10

Edison

Rec'd letter if you  
have rec'd bill of lading  
for the cable send it on  
immy by special messenger  
to Baltzar if not wire  
at once

Biedermann

26 paid  
wily

3  
N.Y. N  
Edison

Dec 14 80  
1140

Will come down tomorrow  
if you are not too busy

Biedermann

10 Paid

John H. Foster.  
Grove Street, Newark.  
Geo. W. Allen, Newark.  
Chas. Francis Stone,  
Geo. S. Hamilton,  
Wm. L. Foster.

P. O. Box 1836.

*Porter, Lowrey, Loren & Stone.*  
*Attorneys & Counsellors at Law.*  
*No. 3 Broad St. New York.*

D e c . 14, 1880. 18.

My dear Edison:

Enclosed please find a copy of my letter of March 25, 1880, to which you have never formally replied, although you have confirmed and approved the arrangements therein stated, orally.

I am about to prepare complete contracts to cover each of the subjects referred to in that letter, but for the same reason there stated, I desire to have your letter confirming and accepting the arrangements there set out. To save you some trouble, I enclose what would be a proper letter to be written by you as I understand it. If you approve it, please have it copied out, so as to go in your letter book and return it to me, signed.

Yours very truly

*G. P. Lowrey*

T. A. Edison, Esq.

Enclosures.



[ENCLOSURE]

John R. Foster,  
Governor of New York,  
Gen. Miles Standish,  
Chief Justice of New York,  
Gen. S. B. M. S. S.,  
Wm. L. Foster.

P. O. Box 1836.

*Lowrey, Loren & Stone,*  
*Attorneys & Counsellors at Law,*  
*No. 1 Broad St., New York.*

March 25th 1896. *AV*

My dear Edison:-

I am going to the Hot Springs to-morrow, and perhaps I shall not see you again before my return.

To guard against the consequences of either your death or mine leaving out various arrangements as they are now, only understood as between ourselves, I now state them and ask you to reply to this letter approving if you find them correct.

First, in respect to England:

Although the last time we spoke on this subject you said that you understood and intended that I should have a one-third interest in your remaining interests under the Drexel Morgan & Co. arrangements, I am disposed to decline that, because all the service which I could render you was rendered before you made this suggestion. I therefore, with thanks for the generosity of the offer, will not accept it, leaving you, therefore, so much richer and looking for my share alone to D. M. & Co.

Second, as to Cuba:-

I have arranged on your behalf with Mr. Navarro

[ENCLOSURE]

that he is to pay all expenses of taking out the patents and introducing the light into the island of Cuba in consideration of one-half the net proceeds; he is to have full control of the disposition of the patents. Of the other half, going to you, you are first to deduct fifteen per cent., and then of the remaining portion, to wit, thirty five per cent. of the whole, you are to give to me one third.

Third, as to India:-

I have arranged with Messrs Pabst & Company in the same manner; they are to receive thirty five per cent. as their compensation, you are to have sixty-five. Of this sixty-five per cent. fifteen is to be first deducted by you and then you are to give me one third of the remaining portion, to wit, of fifty per cent. of the whole.

Fourth, as to Portugal, New Zealand, New South Wales, Queensland and Victoria:-

I have made the same arrangements as to the above as were made with India and you are to have the same share of your interest.

In all these cases, as I have informed you,

[ENCLOSURE]

3

I also make the other parties give me a percentage of their net profit.

If this is correct please acknowledge the receipt of this letter and say so. All the interests referred to above as being for me are for the account of Porter, Lowrey, Green & Stone. I will have suitable letters exchanged between you and each of these parties expressing in a general way the right and obligation of each.

Please also refer to and ratify the letter to Messrs H.F. & Co., F. & Co. and Mr Navarro, dated the 25th, copies of which are enclosed. Yours truly,

G. P. Lowrey.

To

T. A. Edison Esq.

(COPY)

Menlo Park, N.J., Dec. 15th, 1930.

G. P. Lowrey, Esq.,

Dear Sir:

Your letter of March 25th 1930 in which you stated the arrangements made by you on my behalf with Messrs. Drexel, Morgan & Company in respect to Portugal, New Zealand, New South Wales, Queensland and Victoria and with J. F. Navarro Esq., in respect to Cuba, and with Messrs Fabbri and Chauncey in respect to India, was duly received at about the time of its date, and correctly states the arrangements between us as to the interests of Porter, Lowrey, Soren & Stone; and all the arrangements set forth are in accordance with my authority to you so far as the countries mentioned are concerned.

I will state that if you have not had it understood with both Drexel, Morgan & Company and Fabbri & Chauncey, that they were to bear the expenses or provide persons or syndicates who would bear the expenses (if such a thing were necessary) to make one installation of a Station in each of the countries named that this was always my intention and supposition.

With this understanding I hereby ratify and approve the arrangements made by you and desire you to prepare proper assignments or other contracts carrying out the same.

Very soon after the receipt of your letter, I informed you in conversation of my approval and this written approval has been omitted only because of the engrossing nature of my occupations, which have prevented me from attending to such matters as promptly as I should otherwise have done.

Very truly,

Thomas Alva Edison.

John R. Porter.  
George H. Lowrey.  
Geo. Wicks Stone.  
Chas. Francis Stone.  
Geo. S. Hamilton.  
Wm. L. Porter.

P. O. Box 1836.

*Porter, Lowrey, Stone & Stone*  
*Attorneys & Counsellors at Law*  
*No. 3 Broad St. New York.*

Dec. 16, 1890. --H

T. A. Edison, Esq.

Dear Sir:

Yours of the 15th, in answer to my letter of March 25th, is received.

You say: "I will state that if you have not had it understood with both Drexel, Morgan & Co. and Fabbri & Chauncey that they were to bear the expense or provide persons or syndicates, who would bear the expense (if such a thing were necessary) to make one installation of a station in each of the countries named, that this was always my intention and supposition."

I did not stipulate with respect to India with Fabbri & Chauncey, nor with respect to any country other than England with Drexel, Morgan & Co., for any exhibition in those countries, or the setting up of a station.

You will remember that Drexel, Morgan & Co., in the agreement of December 31, 1878, agreed to make an exhibition in Great Britain if, in their opinion, it should be desirable; they reserving the fullest liberty to determine whether that expendi-

ture should be made. As exhibitions will be made in New York and possibly in London before any could be called for in India and the other countries named in my letter of March 25th, it is unlikely that such exhibitions would ever be really necessary. I do not doubt, however, that Fabbri & Chauncey and Drexel, Morgan & Co. will be willing to agree in respect to such exhibitions in the same terms substantially as Drexel, Morgan & Co. agreed with respect to England.

If this will be satisfactory to you, please let me know by a letter acknowledging the present one, and in which please say:

"I approve of your arrangements with Fabbri & Chauncey in respect to India, and with Drexel, Morgan & Co., with respect to Portugal, New Zealand, New South Wales, Queensland and Victoria; these firms to be guided by their own judgment in determining whether to make exhibitions of the Electric Light in those countries in the same manner as Drexel, Morgan & Co. may do under my contract with them in respect to Great Britain; and request you to prepare contracts to set forth more formally the agreement in respect to these countries."

I have completed a draft of the agreement between you and the Electric Light Company, which contains various changes from the one which you saw; upon reflection they seemed to be necessary to secure the substantial points agreed upon. I will send or bring it over to you as soon as it has been examined by the Executive Committee and received their approval. I think you will find it right.

Yours very truly

A handwritten signature in cursive script, appearing to read "G. A. Loring". The signature is written in dark ink and is positioned below the typed text "Yours very truly".



[ATTACHMENT]

Copy of Letter of Confirmation.

J. P. Lowrey, Esq.

Dear Sir:

Your letter of March 23, 1897, in which you stated the arrangements made by you on my behalf with Messrs. Brown, Morgan & Co., in respect to Portugal, New Zealand, New South Wales, Queensland and Victoria, and with J. S. de Navarro, Esq., in respect to Cuba, and with Messrs. Fabbrri & Chamcey in respect to India, was duly received at about the time of its date, and correctly states the arrangements between us as to the interests of Porter, Lowrey, Moran & Stone; and all the arrangements set forth are in accordance with my authority to you so far as the countries mentioned are concerned.

I hereby ratify and approve the arrangements made by you and desire you to prepare proper assignments or other contracts carrying out the same.

Very soon after the receipt of your letter, I informed you in conversation of my approval, and this written approval has been omitted only because of the engrossing nature of my occupa-

[ATTACHMENT]

2

tions, which have prevented me from attending to such matters as promptly as I should otherwise have done.

Julius K. Foster,  
Governor of Louisiana,  
Gen. Wm. S. Foster,  
Gen. S. Hamilton,  
Wm. L. Foster.

P. O. Box 1836.

Porter, Lowrey, Loren & Howe,  
Attorneys & Counsellors at Law,  
No. 3 Broad St., New York.

Dec. 18. 1886.

Dear Mr. Fenton. For the purpose of  
executing proper instruments to secure  
the interests in Electric Light Co. in Cuba  
& Porto Rico to the proper parties; and  
also for Mr. Serrelle's use, in doing some  
things required by recent provisions of  
the Law of Spain on your own behalf  
we would like to leave for a few days  
all Spanish Patents (Electric Light Co.)  
in your hands, — and all other papers  
which have been executed by yourself  
or others relating to any interest under  
those patents.

These may be brought here by Mr  
Griffin and may remain in his  
Custody, if you prefer.

Very truly  
yours  
R. D. H.



CABLE ADDRESS  
"EDISON, LONDON."

6. Lombard Street, E.C.

London Dec 28 1880

J. A. Edison Esq,  
New York  
New Jersey USA

Received  
of the  
Edison  
Company  
1880

Dear Sir Agreement  
Electric light joint to Edison & Swan  
Morgan & Co.

will you do me the favor of  
having your good friend <sup>Griffin</sup> at his earliest  
convenience make me a notorally  
certified copy of the above. My  
copy is locked up in such a  
manner that I cannot get it out  
I should like to have a copy of it  
here

Yours truly  
*[Signature]*

The Edison Telephone Company of London Limited,  
Aldwych House Chambers,  
Riverside Buildings,  
11, Queen Victoria Street, E.C.

MANAGER & SECRETARY,  
A. ARNOLD WHITE.

London 18

My N Edison

Look out for Prof Barrett - of course  
you have seen the published matter  
in the English Papers on Barrett's  
discoveries as to the Chalk Cylinder  
- He wrote white announcing his  
"great discovery" &c &c - I replied  
saying that you had published  
all this many months ago - The  
damned fool has evidently chewed  
my letter to some one - & he is  
now being jibbed about it: &  
I suspect he can't stand up  
under it: So he is down on me  
& also you - It seems he has  
met the man Waugh who was  
out to see you on E. L. and to  
use Barrett's own words -

"I completely demonstrated  
to him <sup>scientifically</sup> the utter impossibility  
of Edison's getting over 3 lamps  
per Horse Power" -  
Is it true you gave this man  
Waugh some of your lamps?

MANAGER & SECRETARY.  
ARNOLD WHITE.

The Edison Telephone Company of London Limited.  
Mansion House Chambers,  
Rooms No. 113, 11, Queen Victoria Street, E.C.

"If you are wise <sup>London</sup> you will  
not risk them in the hands  
of any one in this country  
not having your personal  
interests more at heart than  
their own - the failure of  
one of them would soon  
be broad casted over England  
I don't want this sort of  
handicapping - Barrett might  
induce this man to let him  
try them - then purposely  
break them - or by applying  
an inferior machine seen  
to prove his assertions -  
Refer these people all to me

Yours  
John

TESTIMONIALS  
AND  
LIST OF EMPLOYERS.

---

Anglo-American Brush Electric Light  
Corporation, Limited.

---

MANUFACTORY:—  
VICTORIA WORKS, VINE STREET, LAMBETH.

OFFICES:—  
74, HATTON GARDEN, E.C.



A few of the Testimonials received as to the  
working of the  
**BRUSH ELECTRIC LIGHT.**

From Messrs. Peck, Frean & Co., Biscuit Manufacturers, London.

GENTLEMEN,—We have now employed the Brush Electric Light for the illumination of a portion of our works at night, since the 22nd of March last, and since that time it has entirely superseded gas in those rooms where the lamps are fixed.

The beauty and steadiness of the light are excellent, and the return to the dull glimmer of gas would be regarded by all as a great misfortune. Our work-people speak of it in the highest terms of satisfaction, as by it they are enabled to turn out better work, whilst the rooms are cooler and more cheerful. From careful calculations made of the cost of the Electric Light compared with that of gas at 3s. per thousand, we think we may safely say that we effect a saving of about 20 per cent, whilst we obtain an incalculable increase of light, and that of a quality to enable us to see clearly the slightest variation in the colour of our goods, which was impossible under the old system. The above calculation includes the cost of a separate engine, which would probably be necessary in a further extension of the system, which we have in contemplation. Hitherto we have utilised the space power of the engines driving the machinery in the west wing of our works in which the Electric light is fixed.

Yours truly,

(Signed) PECK, FREAN & CO.

From the Riverside Worsted Mills, United States.

RIVERSIDE WORSTED MILLS, PROVIDENCE, R. I., Dec 1, 1879.

DEAR SIR,—Your letter asking for a sketch of our experience with the Brush Electric Light, is at hand, and we willingly give you such information as you desire.

We had been making some investigations into the electric lighting in use in France, when our attention was called to the American systems on exhibition at the Mechanics' Fair in Boston, in the autumn of 1878. After our careful attention to the matter as its then undeveloped state admitted of, we decided that the Brush system, if any, was the light best adapted to our wants, and arranged with your Boston Agent to set up one of your largest machines in our mill on trial.

The machine was set up and started about the 20th of February; its success was instant and complete, so much so that this machine was accepted and another ordered at once. This second machine was started in March, when a third was ordered by telegraph, which was set up and running early in April.

With these three machines we ran through the summer, getting such satisfaction that in September we ordered two more, which are both now running, making in all five of your largest machines running eighty (80) lamps, which are now regularly lighting nearly all our principal rooms. After this experience of nearly a year we have not a word to give you save of praise. Our satisfaction increases as we come to know the machines more thoroughly.

They could not have a severer test than we give them, as our mill runs night and day the year through, and we have not had a moment's delay from, or a dollar's worth of repairs on, any of the machines or lamps. The light is all we expected; it is strong and steady, clear and white; it is universally liked both by overseers and help, so much so that we doubt if we could get along now with the help, if we were to return to the old gas lighting; certainly we should not get so good work, nor so much of it. We use porcelain globes pretty generally throughout the mill, and we have less complaint of trouble to the eyes than we used to have with gas.

The air of the rooms, too, shows a very marked difference. In our Weave-Room, with its two hundred and fifty (250) gas lights, the air became almost unbearable after midnight in the summer; and the jaded appearance of the men showed how they felt it.

With the electric light there is no such trouble, as the air is as good as in the daytime, and noticeably cooler.

An answer to your question as to how many gas burners would give us as much light as we are getting now, will hardly give a fair test, as we should never think of trying to get so much light with gas.

In our Weave-Room, for instance, we formerly had two burners to each loom close down to the work, now the *webble* runs to the peak of the roof and in the furthest corners is almost as light as day; still the figures are interesting.

We had formerly about two hundred and fifty gas burners of seventeen candle power each, a total of four thousand two hundred and fifty candle power. We now have twenty electric lamps of two thousand candle power each, a total of forty thousand candle power.

Your other question, "How many gas burners would answer your purpose?" is more satisfactorily answered. Owing to some changes preparatory to setting up new machinery, all our eighty (80) lamps are not at this moment in full service, but by actual count we have seventy-one (71) lamps permanently placed, and these displace five hundred and seventy-eight (578) gas burners; that is, there are five hundred and seventy-eight burners already placed that would be lighted were the electric lights stopped.

Estimating these burners at six feet per hour, we should use 3,468 cubic feet of gas per hour, costing at 2 dols. per thousand cubic feet, 6 dols, 80 c. per hour.

The actual cost of the electric light is as follows:—	
Consumption of carbons per hour.....	89
Power used for machines.....	65
Interest on cost of machines, say 18,000 dols. ...	50
Attendance, oil, wear and tear, etc. ....	36
Total cost per hour* .....	Dols. 2.50

Making a saving of four dollars and seventy-three cents. (4 dols, 73 c.) per hour, and this saving for the three thousand (3000) hours the machines run in the year is 14,190 dols., and nearly pays for the machines. These figures are *actual*, as we averaged the number of carbons burned for several nights, to get the exact consumption of each lamp, and for the consumption of gas we took off a number of the gas burners in use, had them tested on a test meter, and averaged them, getting a strong six (6) feet to each burner.

Respectfully,  
RIVERSIDE WORSTED MILLS.

\* Equal to about 124. per hour for each lamp of 2000 candle power.

From the Oswego Falls Manufacturing Company.

OSWEGO FALLS, N. Y., Dec. 6, 1878.

The Brush Electric Light Co.

GENTLEMEN.—In reply to your inquiry, I have much pleasure in saying we are well pleased with the four No. 7 machines, which supply 78 globe lights you fitted up for us. The result realizes our sanguine expectations.

The cost of generating the light is *very small*, especially where water power is available. The great merit, however, of the light is its not vitiating the quality of the atmosphere, which, after a room has been lighted for several hours, remains cool and pure, and, therefore, is more healthy than any artificial light with which I am acquainted.

Yours, respectfully,

D. RAMSDEN, Supt.

Mr. Ramsden has since ordered another machine, and now has ninety lights in regular use. The gas pipes have now been removed from the mill.

From Atlantic Mills, Providence, R. I.

ATLANTIC MILLS, PROVIDENCE, R. I., Nov. 11, 1878.

Brush Electric Light Co.

GENTLEMEN.—In reply to your inquiry as to the result obtained by us in the use of your Electric Light, we would say that it has given us good satisfaction. For manufacturing purposes we find it *far* superior to any other light, and are confident it is *much* more economical than *any kind* of gas.

The machines and lamps require but very little attention, and need only a man of average intelligence to use them successfully. We expect in the *near* future to light our entire works by the use of your machines.

Very truly yours,

OWENS BROS., Agents.

These parties now have in use thirty-six lights. They manufacture delaines and dress goods, and need plenty of *soft* light. Their unequivocal endorsement of the light, as above, is one of the very best proof of its adaptation to such uses.

From Cheney Brothers, South Manchester, Ct.

SOUTH MANCHESTER, CONN., Dec. 3, 1878.

The Brush Electric Light Co.

GENTLEMEN.—In response to your inquiries we say that the experimental eighteen light machine that you put in as our works promises to be a success. We are experimenting with the machine in different

6  
departments of our works, in order to fully test its capacity, and the cost of lighting our mills as compared with gas. So far the results are favourable, and we think further trials will demonstrate the value and economy of your light.

Yours truly,

CHENEY BROTHERS.

From the Willimantic Linen Company.

TREASURER'S OFFICE, HARTFORD, CONN., July 6th, 1879.

Brush Electric Light Co.

GENTLEMEN,—The six-light electric machine, which we put in our Willimantic Mill, is running to our entire satisfaction. We have two rooms, 68 feet by 200 feet, where we are spinning No. 140 cotton. The entire cost is about equivalent to gas at 1 dol. per thousand feet, which gives a very good idea of the power of the light.

In this room the electric light is particularly of value, as colours can be determined as well as by daylight. The light does not raise oxygen. All gas gives out non-respirable gases and consumes the effect of gas, by raising the temperature and giving out noxious gases, on the workers is quite plain (to say nothing of the bad effect on the work). This is particularly noticeable in rooms where there are a good many work-people and a large number of gas-burners. The gas raises the temperature in our winding room 13 deg., the electric light not at all, as shown by a common thermometer. You will see that this evenness of temperature is very important in the spinning of fine cotton yarns.

Yours truly,

W. R. BARROWS, Treasurer.

From Waterman and Mayon, Corset Factory.

WEST BROOKFIELD, MASS., Dec. 4, 1879

Brush Electric Light Co.

GENTLEMEN,—In reply to yours as to results obtained in our use of the Brush Electric Light, it gives me pleasure to say that we are results from it that are very satisfactory as regards economy, and as a in the management of it it requires but little care or skill, being easily understood and adjusted.

C. S. HOLMSTEAD, Supt.

7

From the Continental Clothing House.

BOSTON, Dec. 1st, 1879.

Brush Electric Light Co.

GENTLEMEN,—In answer to your inquiry as to the Brush Electric Light used in our clothing establishment, where we are nightly using the six-light machine we bought of you in November, 1878, we would say that we have run the lights for three hours each night through the feet by 90 feet and 16 feet high, and was formerly lit with eighty five foot gas burners, which cost us about 81 cents per hour. The average cost of the electric light, including power, carbon, attendance, &c., is about 50 cents. per hour.

We find the light to be perfectly satisfactory in every respect, in fact we should not know how to do our business with the old gas burners formerly used. The light is perfectly steady and brilliant, and we find it a great advantage in showing the great variety of colours that are displayed in our goods. Our entire expenses so far, do not exceed five dollars.

Yours truly,

FREELAND, LOOMIS & Co.

From the Montague Paper Company.

OFFICE OF MONTAGUE PAPER CO.

TUNNER FALLS, MASS., Nov. 3, 1879.

Brush Electric Light Co.

GENTLEMEN,—We take pleasure in sending you our opinion of your light. We are not in a position to speak of the economy or practicability of lighting our entire works by electricity, for ours is only a single light machine put up experimentally, and lighting only one room. We have found the light useful and satisfactory in the way of keeping our colour uniform through the night, and it is a pleasant and agreeable light to work by.

Yours very truly,

MONTAGUE PAPER CO.

From Boston Manufacturers' Mutual Fire Insurance Company.

BOSTON MANUFACTURERS' MUTUAL FIRE INSURANCE COMPANY, BOSTON, MASS., Nov. 21, 1879.

G. W. Stockley, Esq., V.P., Telegraph Supply Co.

DEAR SIR,—You are at liberty to say that this Company prefers the Electric Light (so guarded that points of incandescent carbon cannot fall from it) to any other known mode of lighting, having as been unable to find any cause of danger in its use, except as above stated. Yours very truly, EDWARD ATKINSON, President.

It is well known that the Hon. Edward Atkinson is the highest authority on Mill Insurance and Mill matters generally, and great value attaches to his opinion.

From the Bay State Iron Company

OFFICE BAY STATE IRON COMPANY,  
2, FENIMBERTON SQUARE, BOSTON.

*Brush Electric Light Co., 2, Fenimberton Square, Boston.*

GENTLEMEN,—In answer to your enquiries as to the operation of the Brush Electric Light Machine at our Works in South Boston, we would say—We purchased the largest sized machine, No. 7, for them constantly, which number we expect to increase at an early day. We have substituted double for single lamps, by which we get a light burning sixteen hours without change.

We use the light in all parts of our works, and have also employed it while unloading coal at night at our wharves. For all purposes, and in all places where we have needed it the light has answered our expectations for economy in the power required, and in the cost of production, and we consider it has special adaptations and advantages for use in all departments of the iron industry.

Truly yours, J. AVERY RICHARDS, *President.*

From the Phoenix Iron Works.

PHOENIXVILLE, PA., July 10th, 1878.

*Telegraph Supply Co., Cleveland.*

GENTLEMEN,—We light our machine shop, 317 by 90 feet, 38 feet high, and our column shop, 130 by 63 feet, 18 feet high, with 11 Brush Electric Lights. In these shops are about 100 machines, consisting of lathes, planers, drill-presses, boring mills, punches, and steam riveters. We formerly used reflector lamps and small hand lamps, costing about 11 dollars 25 c per night of twelve hours. Counting power, attendance, and carbons, the cost of the electric light is about 4 dollars per night. The lights have given us satisfaction, and we consider them much better and cheaper than anything we have hitherto had, and superior to any other we know of.

Yours truly, PHOENIX IRON CO.

From the Norway Iron Works, Boston.

NORWAY IRON WORKS, BOSTON, January 20, 1880.  
NAYLOR & CO.

*Brush Electric Light Co.*

GENTLEMEN,—The No. 7 machine for eighteen double lamps which you furnished us, works to our entire satisfaction, giving us all the light we required at the various parts of our mill which we wish to illuminate.

Truly yours,  
NAYLOR & CO.

From Pottstown Iron Company.

POTTSTOWN, PA., December 17, 1878.

*Telegraph Supply Co.*

GENTLEMEN,—Replying to your favour of the 10th inst., would say that we are using the Brush Electric Light in our plate iron works, nail manufactory, and shops very successfully. Our primary object in introducing the light in our works was to enable us to run our nail factory double turn, as the large and increasing demand for our special brand made it necessary for us to enlarge our production. The work of nailing requires a good strong light: the operating of a nail factory at night being a new departure for that branch of the iron trade; but with the aid of the electric light the main difficulties have been overcome, and we were so much pleased with its service that we introduced it also into our mills and shops, believing that it would add to the comfort of our men as well as increase their utility, although the same degree of light required for our factory work is not necessary for general mill operation. We have a large trade in plates for locomotive and tubular boiler purposes, as we make a specialty in the higher grades, as well also for ship plates, of which we furnished largely for the American line of steamers. The adoption of the light in this last named department has fully met our expectations, and enables us to take further steps for the increase of our product there, which the enlarged call for our plates now necessitates.

Yours respectfully,

WILLIAM H. MORRIS,  
*Treasurer Pottstown Iron Co.*

From Hon. R. R. Herrick, Mayor of Cleveland

[MAYOR'S OFFICE, CLEVELAND, O., June 27, 1878.]

*A. T. Whiting, Esq.*

DEAR SIR,—Yours of the 4th instant is received. Our Municipal Park, formerly lighted by 103 gas lamps, is now, and has been since sometime in April, far better lighted by 12 Brush Electric Lights.

I think this Brush Electric Light is far superior to anything I ever saw before as an outdoor park light. It is beautiful, and makes everything around appear beautiful. I believe our people are universally pleased with the light. It is brilliant and steady. Our heavy storms of wind and rain do not seem to affect it in the least. The machine is located 800 feet from the park, and the circuit is about 4000 feet in length, and all the lights are in one circuit. I think Nantuxet Beach would be grandly beautiful if illuminated by these lights.

Respectfully,

R. R. HERRICK, *Mayor.*

From the Barber Match Company, Akron, O.

BARBER MATCH CO.

AKRON, NOV. 25, 1878.

*The Telegraph Supply Co.*

GENTLEMEN,—We desire to express our entire satisfaction with the Electric Light you have placed through our factory. We find it a great success, as we are lighted much better than ever before—day or night. The only fault we have to find is that you did not place it in our works a year ago.

Yours truly,

JAC. K. ROBINSON, *President.*

This is the largest Match Factory we know of in this country. They use one of our 16-light machines.

From Senator William Sharon, Owner of Palace Hotel.

SAN FRANCISCO, April 24, 1878.

*Telegraph Supply Co., S. F.*

GENTLEMEN,—I have been using ten electric lights at the Palace Hotel, furnished from one No. 4 and one No. 5 Brush machine, using about ten horse-power. The lights are placed as follows: Two 3000 candle lamps in the court, displacing 510 gas jets; two 1000 and one 3000 candle lamps in the grand dining room, displacing 280 gas jets; one 1000 candle lamp in the restaurant, displacing 150 gas jets; one 1000 candle lamp in the office, displacing 100 gas jets; one 1000 candle lamp in the kitchen, displacing 100 gas jets; one 1000 candle lamp in bar room, displacing 25 gas jets; one 3000 candle lamp in front of the hotel. The lamps in the dining room are switched from there to the front of the hotel, and to the bar room after the dinner hour, and all are working to our entire satisfaction. We feel free to state that the Brush Electric Light is a cheap, practical light to use where much light is needed.

Yours truly,

WM. SHARON.

We also light with equal success, the Baldwin Hotel at San Francisco, and the Grand Pacific Hotel in Chicago. For hotel offices, corridors, dining rooms, &c., it is especially valuable, and saves a great saving over gas.

From the Deer Creek Mine, near Smartsville, Cal.

SAN FRANCISCO, April 24, 1878.

*Telegraph Supply Co., S. F.*

GENTLEMEN,—I have just returned from Deer Creek Mine near Smartsville, which is now lighted at night by three lanterns of 3000 candle power each, supplied from a Brush Electric Machine furnished by you. The light thus produced enables the Company to work the mine at night practically as well as by day. The machine requires but little attention, and the expense is small. Should the apparatus continue to work as well as at present, the Company will be entirely satisfied.

Yours truly,

Geo. P. THURSTON, *Secretary.*

The Lake Superior Mine at Independence, and the Mesquimie Mine at Ontonagon, Mich., are also using our light with excellent results.

From Cleveland Burial Case Company.

CLEVELAND BURIAL CASE CO.

CLEVELAND, O., May 9, 1878.

*Telegraph Supply Co.*

GENTLEMEN,—The Plating Machine purchased of you at the beginning of this year has given us entire satisfaction. You, perhaps, remember that we started everything new when we bought your machine, and when our plater, a gentleman of large experience, came to make his first trial with machine and new solutions, he remarked that "it looked like it was going to be all right from the start," which he thought "would be miraculous." So, from our first experiment to date we have no complaint to make.

Yours truly,

J. W. HATCHER, *Supt.*

From Baltimore Nickel Plating Works.

BALTIMORE NICKEL PLATING WORKS,

BALTIMORE, Md., April 23, 1878.

*Telegraph Supply Co.*

GENTLEMEN,—We have used one of your Brush Dynamo-Electric Machines for electro-plating for several months. Its daily practical use has proved very satisfactory. We commend it especially for its and regularity of current developed, economy of power consumed and its durable and simple construction.

Yours respectfully,

A. GREENLEAF & CO.

From Lowell, Shurmer & Messay.

CLEVELAND, OHIO, January 15, 1880.

*Telegraph Supply Co.*

GENTLEMEN,—Something over a year ago we purchased a 13-inch Weston Dynamo-Electric Machine for use in our plating establishment, and it ran pretty well for awhile, but soon began to give us trouble by getting badly heated and getting out of order generally. We had it repaired at an expense of over 50 dollars, but very soon it gave out again, and we became disgusted with it, and ordered one of your 9-inch Brush machines in its place. This has now been running with the most perfect satisfaction for several months, and we feel very gratified at the results obtained with it. It does not get at all heated, even with all the work we can get into our bath, thus avoiding the necessity of running water through it as with the old Weston machine. The Weston machine is at your disposal any time you send for it.

Yours truly,

LOWELL, SHURMER & MESSAY.

From Sly and Furman.

CLEVELAND, Ohio, January 28th, 1880.

Telegraph Supply Co.

GENTLEMEN,—We have been using one of your 9-inch Brush plating machines for two years past in our plating establishment, and it has not been out of order or given us any trouble for even an hour during that time. It never gets hot, even when pushed with work, and we have done as high as 30,000 dols. worth of work per month with it.

We are familiar with all the plating machines in the market, and do not know one that compares with the Brush in any respect.

Yours truly,

SLY & FURMAN.

From the Buffalo Dental Manufacturing Co.

BUFFALO, N. Y. Jan. 31, 1880.

Telegraph Supply Co.

GENTLEMEN,—In response to your enquiry as to how we like our "Brush Dynamo machine," we have to say that we see no reason to change the favourable opinion expressed in our former letter. It is always ready, and gives no trouble. Before we used this we had a Weston which troubled us very much by heating. This objectionable feature does not appear in the Brush machine. We would not part with it if we could not replace it.

Yours very truly,

R. D. M. CO.,  
Geo. B. SNOW, *President*.

From Myers, Osborn and Co, Stove Manufacturers.

OFFICE OF MYERS, OSBORN & CO, CLEVELAND,  
Feb. 3, 1880.

Telegraph Supply Co.

GENTLEMEN,—We have used the Brush Dynamo-Electric machine for a year, with entirely satisfactory results. The machine is fully up to the standard of excellence claimed.

Yours respectfully,

MYERS, OSBORN & CO.

From the White Sewing Machine Co.

CLEVELAND, Feb. 3, 1880.

Telegraph Supply Co.

GENTLEMEN,—In reply to your enquiry as to our opinion of the "Brush Dynamo-Electric Machine" for nickel-plating, we take pleasure in stating that we have used it for nearly two years to our entire satisfaction, and can heartily recommend it for its durability and its non-liability to heat or change of current.

Very truly yours,

WHITE SEWING MACHINE CO.

## LIST OF EMPLOYERS OF THE LIGHT.

AS the best evidence of the fact that the *Brush Electric Light* is no longer an experiment, but a fully developed and thoroughly practical illuminator, we give below a list of the most prominent places where the light has been purchased and is in regular use, or has been ordered for use.

### IN GREAT BRITAIN.

- 16 Lights—The Admiralty.
- " South Kensington Museum.
- 16 " Royal School of Mines, Jeremy Street.
- 16 " Admiralty (second order).
- 16 " Woolwich Arsenal.
- 16 " Fisk, Pease & Co., London.
- 16 " Barrow-in-Furness Ship Building Company.
- 16 " Great Eastern Railway Company.
- 6 " Denny Bros., Dumbarton (for ship).
- 6 " Barrow-in-Furness Ship Building Company (second order).
- 6 " Messrs. Pease and Co., Ipswich-on-Ouse.
- 16 " Great Eastern Railway Company (second order).
- 16 " Fisk, Pease & Co., London (second order).
- 6 " Isaac Holden, Esq., Oakworth House, Oakworth.
- 6 " Denny Brothers, Dumbarton (second order).
- 6 " Bullock & Co. (for export).
- 16 " Messrs. Holden & Son, Aldon Works, Bradford.
- 6 " I. & Cressley, Esq., Halifax (on order).
- 6 " Messrs. Caird & Co., Greenock.
- 6 " R. Napier & Sons, Glasgow.
- 17 " Babbalanja, Halifax.
- 32 " Great Western Railway Company, Paddington Station (on order).
- 32 " Messrs. Hooper & Sons, Alton Works, Bradford (second order).
- 6 " Admiralty (third order).
- 16 " South Eastern Railway (Charing Cross Station).
- 6 " Cook Tower, House of Parliament, Westminster.
- 6 " The Bouldon Hematite Mines, Ulverston.
- 16 " The Clyde Spinning Company, Glasgow.
- 32 " Corporation of the City of London, for lighting of Blackfriars Bridge, New Bridge Street, Ludgate Church, Ludgate Hill, St. Paul's Churchyard (North Side), and in Chesapeake (or King Street).



## Factories and Establishments of Various Kinds.

29	Lights—	Barker Match Co., Match Factory, Akron, O.
10	"	Allen Bros., Paper Mill, Sandy Hill, N. Y.
2	"	Moskoga Paper Co., Paper Mill, Turner's Falls, Mass.
12	"	Shawyer Bros and Lovell Co., News Editors, Conn.
9	"	Yount and Alwood, Manufacturing Company, Thomaston, Conn.
4	"	Atlantic Petroleum Refining Co., Fuel Branch, Philadelphia.
1	"	Hartford Steam Boiler Inspection Co., Philadelphia.
32	"	Chicago Times Building, Chicago, Ill.
1	"	Chicago and Alton Railway Bridge, Glasgow, Mo.
16	"	Capital First Glass Co., Crystal City, St. Louis, Mo.
16	"	J. O. Mitchem, Philadelphia.
18	"	Ferry Fuel Co., Detroit, Mich.
18	"	Dover Manufacturing Co., Cambridge, Mass.
3	"	Olds & Lord, Saw Mill, Aston, Penn.
6	"	Burgess & Dugan Brewing Co., Philadelphia.
18	"	Michigan Central R. R. Co., Detroit, Mich.
		Rented Lights furnished from a Central Station.
60	"	California Electric Light Co. San Francisco, Cal.
16	"	Grand Rapids Electric Light and Power Co., Grand Rapids, Mich.
4	"	City of Waukegan, on Court House Dome, Waukegan, Ill.
4	"	City of Galesburgh, Ill., Fitzgerald, Galesburgh, Ill.
10	"	Detroit.
192	"	New York.



**1880. Electric Pen (D-80-027)**

This folder contains correspondence relating to the design and marketing of the electric pen. Other letters concern ownership of patent rights.

All the documents have been filmed.

I have insisted that each army will organize  
association of necessary get and receive to  
make it

subject in advertising and  
focus the novelty upon  
public attention -  
I am now writing  
you to enquire if you  
are maintaining the idea of  
repurchasing the patent.  
I know that you have  
a high opinion of the  
field and of a strong  
organization could be  
established in London  
to work the sales in all  
parts of the world good  
results would follow.  
I shall be willing to  
let a portion of the money

ENCL. to Mr. W. H. P. 1890  
copying to Mr. W. H. P. 1890  
date  
J. H. P. 1890  
Thomas Alva Edison Esq  
Dear Sir,

I have been greatly  
disappointed by the want of  
appreciation of your Electric  
Pen in this country. I am  
quite convinced that it is  
by far the best means of  
duplication extant: but  
the management of the  
outfit requires more  
skill than office affairs  
are disposed to bestow.  
But perhaps we should  
have done better had we  
spent more money at the

Edison  
KANDORF  
Address  
GEO. H. BLISS.  
Genl. Manager  
Chicago. *Apr 7<sup>th</sup> 1888.*

*If you are going  
to pay anything  
to the Edison  
Co. in  
New York  
to  
be  
looked  
up  
at  
the  
street  
of  
the  
Edison  
Co.*

A. A. Edison Esq.  
Menlo Park, N. J.

Dear Sir:

Do you think there  
is any use in keeping up  
the patent application in the  
Eastern Pa in Europe?  
There is no protection and no  
business being done.  
Can't you see some way to  
make the Pa. firm out in Europe?

Reply  
Geo. H. Bliss  
G.M.

LOCATION OF MINE:  
SILVER CITY, UTAH,  
In State Mining District.

FINANCIAL OFFICE:  
137 and 139 State St., Chicago Ill.

OFFICERS:  
GEO. H. BLISS, President.  
R. D. HODGE, Vice President.  
C. J. HORTON, Treasurer.  
J. S. STANLEY, Secretary.  
CAPITAL \$1,000,000.00

# ELMER RAY GOLD AND SILVER MINING COMPANY,

Silver City, Juab Co., Utah, Apr 20 1880

Mrs. A. Edwin Esq  
Menlo Park, N. J.

Dear Sir:

Your favor of the 17th has been forwarded to me here.

I have written Mr. Hollard and will advise you as soon as his answer is at hand.

Respectfully  
Geo. H. Bliss

MANAGER & SECRETARY,  
AROLD WHITE.

The Edison Telephone Company of London, Limited,  
Aldwych House Chambers,  
Rooms N<sup>o</sup>. 7153.

11, Queen Victoria Street, E.C. 4.

London May 3<sup>rd</sup> 1885.

My Dear Edison

No. the Day for the Electric  
Pen has passed - Had it been  
launched in a better  
manner it could have  
held its own - but there are  
now a multitude of new  
devices for transferring letters  
ad lib. many of them very  
simple & effective - & cheap  
- It is too late to make any  
headway with the E.P.  
against a field borne of  
its own seed

Yours Truly  
Edison

OFFICE OF  
Secretary of State.



ALBION FRANKLIN, Postmaster,  
U. S. MARSHALLS, &c., &c.

Little Rock, Ark., Aug 7<sup>th</sup> 1858.

T. A. Edison, Esq.,

New York, N. Y.

Dear Sir: I have just seen the Patent Office Official Gazette, of Aug. 3, 1858, and the allusion of your letter no. 230, 621, for an addressing Machine. - There also letter no. 224, 064, dated Feb. 3, 1850, for an addressing Machine, and ~~no~~ looks to be "close kin" to mine. - I shall wait till the published specifications appear, as I believe close kin; - I don't think his the perfect addressing machine. - I haven't much time or money to fool around, especially when a man of your genius has his

mind's eye turned on <sup>some</sup> the fact:  
fact, and feel disposed to quit  
altho' I have some valuable  
ideas, which I wish I could  
afford to try - Couldnt you  
afford to buy out a brother  
draughtsman? and put the  
thing through?

Truly & resply,

W. E. Woodruff, Jr.

There is a patent extant  
for the stencil principle as  
applied to addressing ma-  
chines. - My first idea was  
as <sup>an</sup> stencil, when I went to work  
& until I learned the fact,  
I can cite the letter if  
you wish it.

W. Woodruff  
OFFICE OF  
Secretary of State. *Aug 17/80*



I am entitled to the business  
JAMES PROBERT, Secretary,  
W. R. WOODRUFF, Jr., Deputy,  
Little Rock, Ark., Aug. 7, 1880.

Thos. A. Edison, Esq.,  
Menlo Park, N. J.

Dr. Sir: A while ago I wrote  
you about your addressing  
machines. I have enclosed  
ed to give a further revela-  
tion:

I have some ideas about a  
method of printing, which developed  
in your "mental work shop," might  
revolutionize the art of printing.  
It would triple or quadruple the  
rapidity of composition, make each  
printer his own "foundry" without sub-  
scribing to the cost of a foundry, except for  
cost of material, cheapen the price of  
newspapers & books 75 per cent,  
enable every author to be his



own printer, or to print a considerable number of copies of any work short or long, if he desired to possess them at a small price.

<sup>(how many to work on)</sup>  
The machinery need not be more expensive or intricate than a sewing machine.

And there is absolutely nothing in its way, patented or unpatented. - Like the telegraph it would have the whole world for a market and field of usefulness.

I would like mightily to talk to or write you about it.

Truly & respic<sup>tfully</sup>

W. L. Woodruff

I should have said the matter when finished by computer, will be ready for press

11/1/1880

EDISON'S  
MAGAZINE

Address  
GEO. H. BUSS,  
Genl. Manager

76 Mankel Street. Chicago, Aug. 13, 1880

Mr. G. Edison Esq.  
Marble Park, N. J.  
Dear Sir:

I have returned  
from a four month absence in  
the mountains. In response to  
your request relative to the E.  
Lester Park in Europe will say  
that you are at liberty to  
make any disposition of it which  
is desired so far as Mr. Holland,  
and my interest is concerned.  
I hope to call upon you at  
Marble Park soon.

Sincerely,  
Yours

Geo. H. Blish  
Genl. Mgr

T. A. EDISON,

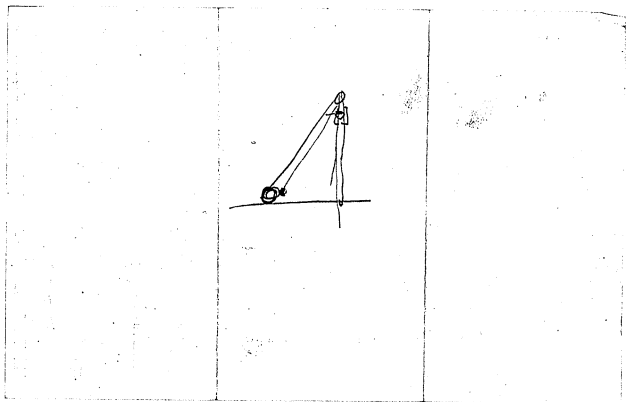
Menlo Park, N. J.,

1880.

*copy*  
Robert Hoe & Co. N.Y. 1887

*Friend*

Allow me to introduce to  
you Mr. Stanley Hoe  
who has perfected an automatic  
printing press which I think  
will enable the Electro-press  
to find a good market among  
job printers & newspaper  
offices generally  
throughout the country  
~~you~~ If you can find time  
to examine the workings  
of the pen & press I feel  
certain that you can do  
something with it  
yours truly



Mr. Lyman Childs  
a receipt

See that I have nothing to do  
with the paper & pencil & in  
with the hands of the W. C. M. F. of  
Chicago  
your school address than on the  
Mr. Ed. Cook,  
Dear Sir,

We have had one of  
your Electric Pens in use  
in our High School for  
some time, and are very  
well satisfied with the work  
done by it. I have in-  
vented a way of running it  
without the use of a battery  
Persons who have tried  
my way of running it, pre-  
fer it to a battery for several  
reasons, but I think his most well,  
and there is no battery to re-  
quire attention, but let the

pen is always ready for  
action and can be man-  
aged by anyone. 3d. the weight  
on the hand is little, if any,  
more than an ordinary  
pen. 4th the speed can be  
regulated according to the  
wish of the operator.

I have also a new press  
which holds the paper more  
firmly, and in such a  
manner that it can be  
tightened in a moment;  
if it become in the  
slightest degree loose.

My object in writing  
is to know if any  
arrangement might be  
some to, whereby each

could get some return for  
his invention.

The great objections I have heard  
stated against your pen, are  
1st. its dearthness, and the  
difficulty experienced in man-  
aging the battery.

My arrangement is so  
simple that I believe they  
can be made and sold  
(at a profit) for about \$10 each.  
Now, what royalty would you  
be willing to accept, to allow  
me the use of your invention  
as far as the perforating of the  
paper to form the stencil, and  
the use of the inked roller, are  
concerned? Or, would  
you prefer to sell your right

completely of us, what are your  
terms? If the price were  
brought down to the figure  
I have assumed, I believe  
thousands might be sold here  
in Canada. Nearly every  
teacher, lawyer, and business  
man in the country would  
then purchase what very few  
do so now.

Please address your  
answers to  
Egman J. Smith  
Classical Section of  
Lewell's High School  
Ruelph, Ontario,  
Down, Can.

Mr. Edison  
Menlo Park N. Y.





**1880. Exhibitions - Paris Electrical Exhibition (D-80-028)**

This folder contains one letter from George E. Gouraud, Edison's agent in London, regarding the Edison exhibit at the 1881 Paris Electrical Exhibition.

44111 JERRARD,  
"CORNUO, LONDON."

n. Lombard Street, &c.  
London, Dec 20<sup>th</sup> 1880

J. A. Edison Esq,  
Menlo Park,  
New Jersey  
U.S.A.

Dear Sir:

The Electrical Congress, Paris 1881

You have no doubt heard all about this in various scientific papers. It promises to be a great affair. Last Sunday I was waited upon by one of the Commissioners of the French Government with the particular request that all your electrical inventions should be represented, and I was begged to charge myself with this undertaking. Great stress is laid upon this matter. England will be there in great force. It is obviously desirable that this request be met in the most thorough manner. — I informed the Commissioner that it would certainly give me very great pleasure to communicate this invitation to you, but that I was unable to say what answer might be expected. I further stated that to make an exhibit of all your electrical inventions would necessarily involve a very considerable expense, and I ventured the opinion, not as presuming to quote your views, or in any wise with your authority,

2  
but as my individual opinion that the recognition and encouragement which you received at the Paris International Exhibition, were not such as to be likely to make it a very great inducement to you to go to any material expense in connection with the business under consideration. I told him however that I should feel a very particular pride in seeing you represented, on this occasion, and that I would give the matter very full consideration. The Commissioner seeing that it was somewhat uncertain whether either you or I would take the matter up very heartily, intimated that I might expect an official communication from the French Government through the Chief Commissioner himself. I replied that such an invitation would be regarded as very flattering, and that it would undoubtedly receive all due consideration.

Now my dear fellow, this little bye-play of mine is all very well, and we may as well make ourselves "a little difficult," so as not to show too much eagerness, but it must be as obvious to your good self as it is to me that as this will be the first exhibition, exclusively electrical that has ever been held - and one that will attain a world wide prominent and having regard to the prominent position you hold in the profession, and the extensive value of your discoveries and inventions, - that not to be there in force would render the exhibition incomplete and most prejudicial inferences might thereby be drawn. Now I propose that we take time well by the fore-look, and do this matter up most thoroughly. I therefore

to beg you, immediately upon the receipt of this to make it the especial business of somebody, to get up in the best form, highly finished models of all or certainly all your principal electrical inventions with their latest development.

I cannot more impress upon you the importance I attach to this matter, than to offer as I hereby do - and most cordially - ~~that~~ you hesitate to meet the expense which my recommendation will involve, that I shall myself contribute one-half of the necessary expenditure, including the services of an able exponent of the practical operation of each invention. I naturally in this connection think of our friend Johnson, who would be pre-eminently the man, but failing him, anyone whom you shall together decide upon will be acceptable to me.

In this same connection it has been intimated to me that it would be extremely appropriate and desirable if I were to be appointed a member of the American Commission to this Exhibition. This suggestion arises through my wide connection and identification with you in Europe and the further fact of my being an American residing in Europe. - I understand that this matter will be brought before the Government at Washington and I should be sorry that a suggestion of this character - not originating with myself should go the length of coming before the Government officials and fail in the end. Hence I would ask you as a particular favor that you will

I write an autograph letter to whomever  
the proper official at Washington is, stating  
that it is your intention to make a  
complete exhibit of your electrical  
inventions at the forthcoming Electrical  
Congress in Paris, and it would be  
particularly gratifying if, I, as your  
representative in Europe for many  
years, should be appointed a member  
of the American Commission. I need hardly  
point out to you that being a member  
of that commission will enable me to  
do infinitely more service in securing  
a proper recognition of your affairs  
than would any other circumstances.  
Drexel Morgan & Co will no doubt be able  
to tell you to whom to address your  
letter with regard to my appointment  
on the Commission.

Yours sincerely,

W. H. Preece

Copy of letter to  
Drexel Morgan & Co  
Paris, 25th Nov 1889

1880. Menlo Park Laboratory - Incoming (D-80-029) [not filmed]

This folder contains correspondence, circulars, and price lists from suppliers of materials and equipment.

**1880. Menlo Park Laboratory - Internal (D-80-030)**

This folder contains internal communications among various members of the laboratory staff, including Edison.

Less than one percent of the documents have been filmed. Communications relating directly to the operation of the laboratory or concerning significant orders of supplies and equipment have been filmed. Communications dealing with routine orders and bills have not been filmed.

T. A. JOHNSON;

(1588)

Menlo Park, N. J.,

1880.

Will Carman

You or Trif gave wife a  
Check for 1000 little while  
ago: ~~did~~ did you not.

Have you paid Arnold  
Constable & C.

Also: Carefully for Carpets

D/C

N. C.

*[Handwritten signature]*

At  
H. E.  
6.50

Brooklyn

15  
16  
14



Order 50 lbs. of Sulphate  
of Zinc LRU

Feb. 4. 1880,

ordered by Mott

W.C.

Feb 6, 88

I notice the people  
from down stairs  
go thro' your papers  
& take <sup>from your drawers</sup> stamps at their  
pleasure. You ought  
to lock your <sup>box</sup> big up-

Griff

Orange

Mr. Meath

Put a slip of  
paper in the manny  
envelope of Fred Freeman  
& write on it

His good nat to come  
agen until we call for  
him

OK  
Feb 14/88  
K

Memo Park. Feby 19<sup>th</sup>. 1880.

Employees will treat Visitors courteously but under no circumstances will they leave their work or give information of any kind to visitors.

No information will be furnished except by myself or Messrs. Batchelor, Upton, Krusie and Garman.

You will regard this as a positive order.

Thomas A. Edison.

T. A. EDISON,

Menlo Park, N. J.,

1880.

Mr. Carrman Deane, to  
Geo. H. Barras

523 Summit Street

Boston  
Mass.

In recd of his favor of Jan 31/80  
concerning a wish to know whether  
there is an automatic regulator  
for the dampers of the engine  
heater so whether it can  
give the constant at the  
speed or slow the steam  
valve or <sup>regulate</sup> <sup>the</sup> <sup>valve</sup> <sup>to</sup> <sup>keep</sup> <sup>it</sup> <sup>open</sup>  
or <sup>close</sup> <sup>it</sup> <sup>when</sup> <sup>the</sup> <sup>engine</sup> <sup>is</sup> <sup>stopped</sup>  
any suggestions how it  
could be done if there is  
no automatic arrangement  
in the matter. The greater  
part of this question will  
be answered by T. A. Edison

Mr. Mott

P. O. to P. Jewell & Sons  
Hartford Conn

Mr. Edison desired  
not to stop our shops,  
untill all the machines  
are ready so it will  
take about 4 weeks yet  
before we can put the  
line on

210 April

Respectfully  
J. Bruce

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company transmits and DELIVERS messages only on conditions, limiting its liability, which have been accepted by the sender of the following message.  
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This message is an ~~URGENT~~ message and is delivered by request of the sender, under the conditions stated above.

A. R. BROWNELL, Secy.

3  
NORVIN GREEN, President.

Dated New York Oct 18 1880

Received of John Randolph

**READ THE NOTICE AT THE TOP.**  
Post notice no pay

today  
Griffin

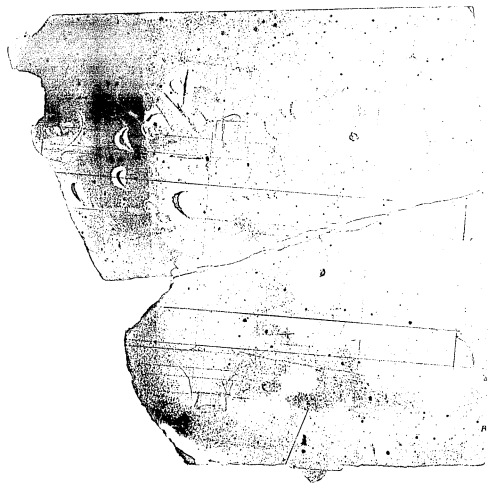
55th 1220pm  
noxx

All men are required  
to get a full train ticket  
in time and to put down  
their time as usual at  
night to the proper  
amount every night.

W.B.M.

Oct 21st

1880





**1880. Menlo Park Laboratory - Outgoing (D-80-031) [not filmed]**

This folder contains copies of telegrams and drafts of letters to various suppliers of materials and equipment.

**1880. Mining - General (D-80-032)**

This folder contains correspondence and other documents relating to the separation of ores and the application of electricity to mining operations.

All the documents have been filmed.

Boston Jan 27. 1888  
C. H. Lewis Esq

Dr Sir

I called at your Office to day  
and found you gone. and I wrote  
this to give you my address - so that  
you will know where to send me  
a message, as soon as you have  
been to Went's Bank - Please let  
me hear from you at the earliest  
possible moment - as you can control  
the whole thing, if you find it in your  
way - if you decide it is not in your  
way. I shall proceed immediately  
to organize the "Boston Electrical  
and I have assurance, the  
will be subscribed for,

I have held back, so far  
from doing it; thinking the other  
way was the best you all con-  
sidered - so I await your decision  
By Telegraph

Wm. R. R. <sup>21</sup>  
H. M. Finch <sup>21</sup>

16 Harvard Place

*[Faint, mostly illegible handwriting on a grid background]*

Quercus alba  
Quercus prinus  
Quercus agrifolia  
Quercus macrocarpa  
Quercus laevis  
Quercus muhlenbergii  
Quercus bicolor  
Quercus coccinea  
Quercus prinus  
Quercus agrifolia  
Quercus macrocarpa  
Quercus laevis  
Quercus muhlenbergii  
Quercus bicolor  
Quercus coccinea

One missing  
Box

Al. M. Finch  
Jan 21/1880



POSTAL ADDRESS: Billyngley near Bridgnorth.  
EMRY TAUNTS: To Billyngley Sidings.  
TELEGRAMS: To Highley Station.

Severn Valley Colliery  
Company, Ltd.

Billyngley  
NEAR BRIDGNORTH.

March 13, 1880

England

REC'D  
Billeyngley Eng March 13 1880  
By J. P. H. H. H.  
C. A. H. 1880

Something for mine  
when get an  
out through the  
make the application

Thomas A. Brown Esq.

Manchester Park

G. T.

U.

Sir, I have read the account of your  
invention as inserted in Spectator by Mr. Tomlin  
and I should like to say how far  
the wonderful results may be applied to  
practical purposes. The results said to  
be achieved are such that they seem more  
rather of an unattainable nature, at least of our  
times, when there are opposing forces &  
it seems to me (and I have often thought of  
it in my own mind as to whether it were possible)  
that the being able to have a light in the mine  
which would being hermetically sealed up from  
the atmosphere, prevent the possibility of affording  
such a result, is a state of things leaving nothing

1880

1880

more to be desired in that respect, the next question is its adaptability, & its putting into practice and its cost.

My 2 pits are each a little short of 200 yards deep & what I want to know is:

- ① How long would it take to complete & what would be the total cost of the first mowing and after the first mowing how much per mow or per annum - afterwards what would be the expense of renewals of materials &c
- ② How long would it be before it could be placed in position on the works
- ③ Should I have to give the order to you or would any English House do it & what is their address if so.

Your reply will be much esteemed

Yours Very Respectfully  
S. R. Dumbleby

Eric, Pa. March 30<sup>th</sup> 1880  
Hos. A. Edison, Esq.,  
Mend Park, N. J.

Dear Sir,

As I first proposed your investigations for platinum on the Pacific coast in connection with flour gold, would it not be something like a just recognition to let me into the new operating company at Orville, Cal. or elsewhere, for a moderate amount of stock on the grand floor?

I merely offer this as a suggestion, and am, with all due respects,

Laura Viny Duly  
W. B. Ripple

Our Specialties:  
 —  
 CARBURETED BRONZE,  
 RAILWAY,  
 ROLLING MILL  
 —AND—  
 MACHINE  
 BEARINGS.

OFFICE OF

**G. W. & B. F. GREEN & CO.,**  
 MANUFACTURERS OF  
**Ingot Brass & Brass Castings of all Kinds.**  
 CORNER 41st STREET & A. V. R. R.

*Pittsburgh, Pa. March 21st 1881*

*Must go in my own  
 bottom*

*The Editor (copy)*

*Dear Sir, your issue of 15th contains  
 an account of the taking up of Oil Working Stamp is one  
 of our combinations for the last 3 years. Working quite  
 well that such a part was virtually gone on an accident, you  
 feeling myself obliged to offer the same at a low price, and  
 guaranteeing, I feel sorry that it has done so.*

*Our business in the City is the running the West Copper  
 Lining and I have a few of the same now, but doing as  
 and parts of them, and I am engaged in the iron of them.  
 I should like to give you an idea of what arrangements  
 would be made in the practical execution of the Project  
 Metal part, the most difficult to*

*thinking of it, and I am sure you will be  
 I think it is better that we should be arranged that your  
 interest will be represented in the decision of  
 Company and I am sure you will be the best  
 I am sure you will be the best  
 of the same firm*





pleas. If you would have  
the kindness to favor me  
with an answer, whether my  
request is agreeable and on  
what day of say next week  
we may call, you would certainly  
be greatly obliged.

Yours very respectfully  
E. M. Handbrock  
P. O. B. 3337 N. Y.

No gold send another sample  
Cleveland April 12<sup>th</sup> 1880

Dear Ab.

I sent you severel days ago a  
little sample of black sand containing  
Gold. did you receive it. And have you  
tested it. If so. what was the result. Please  
let me know - The Party that had the  
Contract for  $\frac{1}{2}$  Interest has gone out to see  
it.

Yours Truly

Edison

D. R. SHAW,  
BOARD OF TRADE BUILDING,  
ROOM 12.

~~The letter was sent to you by  
Special Agent to the Chicago office~~

Dear Sir,

I will direct to have  
samples of the placen minus sent  
you as you suggest, as good as  
my men get into the mountains  
they are on the way now.

Mr. Wheeler and I of the Street  
of the Edison and Milling Co.  
for sale. If you want to purchase  
I may like to purchase  
some.

Very Truly Yours

D. R. Shaw

P. Amos from S. H. Blair in my office  
Co. and said he knew your well  
years when we had.

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, holding its liability, which have been accepted by the general or the following members.

Messages for special service only for special messages, such as the sending station for comparison, and the Company will not be held liable for any delay in the transmission or delivery of Unrepeated Messages.

This message is an UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. R. BREWER, Sec'y.

NORVIN GREEN, President.

Dated New York Apr 27 1880

Received at \_\_\_\_\_

To: T. A. Edison  
Menlo Park

READ THE NOTICE AT THE TOP.

it will be convenient  
for you tomorrow to

show me your process  
for working tracings

W. C. A.

15 paid Fleming

process not possible

~~We do not show~~

our pr.



Jersey City 3  
Thos Edison

May 3.80

Should I come out  
about 3 o'clock today  
Could you put through  
your process some mineral  
Earth supposed to contain  
Gold please ans

Wm. Ettinger

Wm. Ettinger Jersey City N.J.

but work on small quantities  
but will assay it for you in  
the regular way

May 3.80

Edison

A.H.

9:20 AM  
E-AJ

148 Broadway

May 5 1872

Prof S. W. Edison

Dear Sir

Would you  
kindly inform me what  
day this week you will  
be in this city as I desire  
to see you in regard to your  
process of separating the  
gold from the tailings

Yours  
Geo. E. Smith



~~Anthony~~  
no gold in sample  
Cleveland <sup>at the morning meet until night</sup> May 8<sup>th</sup> 1880  
Exhibition Palace

Dear Al.

Letter of 6<sup>th</sup> inst. is just recd. and  
am surprised that there was no gold in the  
sample I sent you. There was some kind of  
mineral in it - what or what if not gold.

I send you to day another small sample  
of black sand. Taken from the deposit  
by a friend that is reliable. And would  
like to have you test it and report as soon  
as possible. Try and get it the field for Tom

Do you know about the time you are  
coming West. I hope you will stop on your  
way - and let me know about the time you'll be

Yours Truly  
St. John

25/100

Grand Central Hotel.

Have you a descriptive circular  
of your apparatus  
D. A. 0402 & CO.  
Denver, Colo., May 24 1880.

Thos. Edison  
Menlo Park N.J.

Dear Sir,

I observe from the  
Newspapers that you have a new process  
of saving gold from tailings, and that  
the coarse gravel, boulders &c. must first  
be screened out. If your process is a suc-  
cess, as seems to be that opinion, you will, I  
think find my "Dry Placer Gold Separator"  
patented Jan 28th 1879 of invaluable ser-  
vice to you. It thoroughly and rapidly wash-  
es the dirt, separating the tailings into  
coarse and fine and, using a very small  
quantity of water, saves at least 95 per cent  
of the gold without the use of quicksilver  
or chemicals of any kind. The tailings from  
my machine would probably not be very  
valuable to you, but the machine  
would be of great service in concen-

Received De m 24 1880  
of the  
6 pm 1880

trailing from the ordinary sluice in which there usually is a large amount of gold, I do not understand your process, but possibly it could be used in some way in connection with my machine and an advantage gained for all parties. My machine is the result of four years' experimentation on the mine and I do not hesitate to say that it is the only practical invention of the kind ever made.

It is simple, cheap, substantial and quite portable. It may be made either as a hand or power machine. A hand machine with <sup>most of which can be made, if necessary</sup> an 1½ to 2 inches of water, will dress from 12 to 15 cu yds of dirt in 10 hours and practically save all the gold (say 95 per cent) without the use of quicksilver. Nuggets are all saved for, when they "turn up." A power machine may be made of large capacity. The machine has been thoroughly tested and a number will be running in Colorado this season. Your process in no manner interferes with my machine, but I think they may be made mutually advantageous to each other. I call your attention to it for the reason that a number of persons, who have great faith in your process, have spoken to me about your need of a good washer that would screen and concentrate the dirt. Hoping to hear from you soon - Yours truly, J. H. Wilhelm, P. O. Box 2549, Denver

Denver, Colo. June 7th 1880.

J. A. Colburn, Esq.

Dear Sir,

Your of the 1<sup>st</sup> is at hand. I have as yet issued no stereographs circular, but I enclose you a rough sketch. As soon as I get a re-issue of my patent will have copies of patent on hand. I am expecting parties from the East in a few days with machines to be worked this season in Colorado. They most through by tools of last year. I have at present only a small model on exhibition in Denver. F. J. Dellambough, an artist, at Booths Theatre Building W. 17. has worked the machine on the mine with me and could give you much information about it. If convenient, call on him.

I will briefly state the machine answers the following conditions for use:  
1. Where there is a scarcity of water-

(over)

a sufficient supply may be obtained from a spring or a well and the water frequently re-used.

2d. Where the ground is so flat as not to afford sufficient inclination for the ordinary sluice. The machine creates its own dump.

3d. Where the gold is of such a character as is not to be readily carried, or carried off all by the ordinary processes.

I have an admirable arrangement for amalgamating, but practically I never use it, as I can save at least 75 percent of all the gold, fine, flume, float, craps and washes without the use of quick. I speak not of what I think I could do but what I have done.

The machine is very cheap, light, substantial and gives general satisfaction.

The best reference I can give is the machine at work. As yet it has not been described, a few notices only having been made of it. A hand machine will

Genesee, Cal.,<sup>2</sup> \_\_\_\_\_ 1880.

dress from 12 to 15 cubic yds in 10 hours  
or 1 day. A power machine (say 1 1/2 hours)  
50 cu yds - a larger machine 100, or  
more cu yds. Even a power machine  
can be easily moved in advance of  
the tailing.

There are a great many difficulties  
to overcome on a placer mine - as mines  
of this kind vary so much in their  
conditions, but after over four years  
experimenting I have succeeded in  
making a practical machine. A ma-  
chine may raise all the gold sand out  
be practicable.

As I suggested in my former letter,  
possibly my machine may be  
made to work to advantage in  
connection with your "process". If  
you think so I will be pleased  
to confer with you further on

The subject. If not, it will at least  
benefit you indirectly by creating  
dumps for you - provided you can  
find enough in the tailings from  
my machine to make such dumps  
profitable. You will find but  
little, if any, visible gold in them.

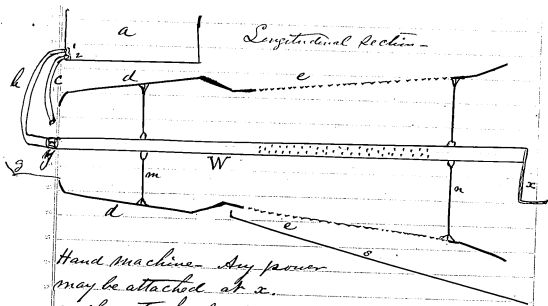
The material is shoveled into the hopper  
g, is thoroughly washed in the basin d,  
is further washed in the screen e. The  
coarse gravel, much of the fine and all  
the boulders (hand machine will handle boulders  
6 to 7 inch in dia.) are thrown over a fan door  
outside of the sluice. The sluice, (quite  
fresh) is especially adapted to the re-  
volving cylinder, consisting of a basin  
d and screen e. I use as little water  
it does not wash away the fine gold,  
which is separated from everything that  
causes it to float off and is submerged  
when thrown into the sluice -

Hoping to hear from you soon  
I am yours truly

P.O. box 2549

J. H. Wilhelm  
Canon, Cal.

[ENCLOSURE]



Hand Machine - Any power  
may be attached at x.  
a Show Tank. It stands on frame (not shown) above  
machine - 1. 2. show faucet, c. show rubber hose to  
let water into water tight basin d. e. show hose to introduce  
water into hollow perforated roller W. g. stuffing box - m, n  
support - e. Screen - s. sleeve - interior arrangement of  
rods, dashers, worm &c not shown - as I cannot draw  
them correctly.



Mexican Gold and Silver Mining Company.

SUPERINTENDENT'S OFFICE.

Virginia, Nov. Jan 8<sup>th</sup> 1879

Mr. A. Edison

Sir

In the course of your  
numerous duties - could you find time to  
inform me as to present condition of your  
researches in the application of Electricity -  
to the conveyance of power - for instance  
the generation of the Electricity - by water power  
- conveyance of the same to any distance and  
its utilization by transformation into power again  
- also what loss is sustained during the trans-  
mission -

Yours truly  
M. Watson

I have my system of transferring power  
perfected, ~~it is~~ I have an Electrical  
Railway in operation here  $3\frac{1}{4}$  miles long  
20 hp supplied gives  $13\frac{1}{2}$  hp available  
at the extreme end - Roughly



E. T. COPÉLAND.

Sole manufacturer of the ALDEN PATENT ORE CRUSHER and PULVERIZER.  
General agent NEW YORK SAFETY STEAM POWER CO. (vertical engines)  
New York agent EWART MFG. CO. (Ewart's detachable link drive chain.)

30 Cortlandt Street,  
New York.

June 10/80

T. A. Edison Esq  
Dear Sir

If you are  
pleased with the operation of  
the #10 Alden Crusher — will  
you write a few words  
expressing your views as to its  
usefulness, for "publication" in  
the columns of the Mining Record  
in season for use next week?

Yours truly

Respy Yrs

E. T. Copeland

Say have used your smallest  
Crusher & find it works  
admirably — say no more

Mr. Edison  
June 10-80

# Union Consolidated Silver Mining Co.

SUPERINTENDENT'S OFFICE.

Virginia, Nov. July 7 1880

J. A. Edison Esq.  
D.D.

Your favor of June 29<sup>th</sup> is at hand and contents noted - The problem to be solved and the conditions involved in our case is as follows -

We are rapidly approaching <sup>vertical</sup> a depth in the Coniston Mine of 3000 feet - beyond which point it will be difficult to carry the necessary power to drive our fans and do our hoisting -

Compressed air is objectionable on ac of the low percentage utilized and its consequent expense - The Hydraulic system is objectionable on ac of its waste of energy and the immense pressures involved -

- Electrically generated by Dynam. Electric machines would seem to be most likely to fill the bill - provided you can accom-

Union Consolidated Silver Mining Co.

SUPERINTENDENT'S OFFICE.

#2

Virginia, Nov. 187

— please what you claim —

In order to test the system practically, it would be necessary to put it to work in a mine — either at pumping or hoisting — If your company is disposed to take any steps towards such a test — the companies which I represent will do all that they can to assist — should you feel disposed to entertain any thing of the kind please send me a description of the machine necessary to use and any information you may give regarding them — and the matter will receive immediate attention at my hands

Yours truly  
W. S. Patton

T. A. EDISON

Envelope address

W. H. Patton Esq  
Dept. Urban Construction, Virginia City, Nevada

Menlo Park, N. J.

1880.

W. H. Patton Esq

Keep Copy

Dear Sir would be

I suppose your intention is to pass the present pump rods & tanks down to the 3000 foot level, and then to stop and and further pumping to be done by magnets. We have no data here to make calculations on. But suppose, that after the 3000 foot level a ~~60 hp~~ magnets of 90 hp. would be sufficient for every 250 further than 3000. Our Generator consists of a portable engine, cylinder 19 x 10, steam admitted piston rod connected directly to magnets. The engine makes 600 revolutions per minute. <sup>non condensing</sup> ~~steam pressure 120 lb~~ ~~per square inch~~

The 60 hp <sup>at the pump</sup> will give <sup>directly</sup> a quantity of 1 hp for every 3 <sup>1</sup>/<sub>2</sub> lbs coal. The engine direct gives a hp. for <sup>2.65</sup>/<sub>100</sub> of coal. ~~but~~

T. A. EDISON,

Menlo Park, N. J., \_\_\_\_\_ 1880.

2

The extra consumption from  $2 \frac{65}{100}$  to  $3 \frac{1}{2}$  ~~is to~~ covers the losses due to converting friction etc, but not the friction etc of the pumping mechanism worked by the Magnets, below,

As for hoisting. Suppose you would establish a station at the 3000 foot level with a smaller copy of the hoisting machine above, and transfer men & ore at the 3000 foot station. ~~How~~ If you do this you might use say a 100 hp Magnet with the hoisting apparatus at first and gradually add to the number as greater depths was reached, the Magnets could be coupled on easily as you require more power from time to time,  $\frac{60}{100}$

30

T. A. EDISON,

Menlo Park, N. J., \_\_\_\_\_ 1880.

3

The Space occupied by a 60 hp. Magneto  
is about 8 x 5 x 3. The Engine Magneto  
converts 8 x 9 by 3. The Bobbin of the  
Magneto acts as a fly wheel.  
Could you give us a little data  
~~of what you~~ regarding your mines  
such as Maps etc.

Yours Truly

T. A. Edison

P.S. I have nearly finished  
a Diamond Drill Worked by  
Magneto direct.

T. A. E.



Handwritten  
Postmark

Edison to Mr. Patton  
Virginia City July 21, '80

Copy in letter book

# Union Consolidated Silver Mining Co.

SUPERINTENDENT'S OFFICE.

Virginia, Nov. July 27<sup>th</sup> 1880

T. A. Edison Esq

Dear Sir

Your favor of the 20<sup>th</sup> is at hand - Your idea is correct in respect to applying the magnets machines from the 3400 foot level - and I draw your attention to the following conditions under which they would have to work -

1<sup>st</sup> Heat - The temperature ranging from 100° to 130° Fahrenheit and the air being highly charged with moisture -

2<sup>nd</sup> Moisture - This would affect the insulation and reduce the effectiveness of machines -

3<sup>rd</sup> Speed - our pumps run from 6 to 12 strokes per minute - would it not be difficult to reduce speed from 600 without loss -

4<sup>th</sup> Winding - in the application to winding this difficulty would not be excessive -

5<sup>th</sup> Power - our pumps stations are usually 240 ft

No wire should  
take present

# Union Consolidated Silver Mining Co.

SUPERINTENDENT'S OFFICE.

#2

Virginia, Nov. \_\_\_\_\_ 187

apart - can the current of electricity be divided so as to run say 5 pumps from one generator - or must there be a generator for each magnet? in our case it would be necessary to place the generator on the surface and be able to divide the current - conducting it to the different points where required - is the direction and division of the current fully under control?

Q<sup>th</sup> is there any thing to regulate the generation of the electricity - under a varying demand - that is - in case the generator was producing 60 HP and <sup>the consumption of</sup> one half should be shut off by the stoppage of the hoisting - is there a storage for the accumulation - or is it lost?

A<sup>th</sup> our pumps and hoisting engines underground are sometimes submerged - as I understand it - the magnets would lose their insulation

# Union Consolidated Silver Mining Co.

SUPERINTENDENT'S OFFICE.

#3

Virginia, Nov. \_\_\_\_\_ 187

If under water - in case of pumping it is  
wonder to  
necessary to work them under water

The general proposition is to be  
able to sink our shafts and pump our  
water from <sup>below</sup> the 3000 level up to the  
level - the present plant letting care  
of the existing and pumping from the  
3000 level to the surface - conveying  
the power generated at the surface to  
the points required in such a way as to  
lose as little as possible in efficiency  
- the power to be reliable and under perfect  
control - If you can get the 76 for your  
claims and operate the machines under  
the conditions stated above - the system will  
succeed - should you desire to go further  
in the matter please answer as soon as  
convenient

Yours truly

W. S. D. Stone

OFFICE of *Aug 20*

# New York Emery Co.,

191 Fulton Street,

W. B. HOYT  
General Agent

New York *Aug 20* 188*9*

P. A. Edison Esq  
Manh Park, N. Y.

Dear Sir: Over

Since my return from  
your place, the Co. are  
particularly desirous to know  
of yr separator built for their  
use. We should enough to inform  
us immediately the price of  
various sizes and give capacity  
of each machine from the  
smallest to the like you  
had in the process of location  
which I believe could visit  
250 tons per day. And any other  
points regarding the workings  
of yr. machine such as  
Complais. &c. and so

Very much obliged  
Yours truly  
W. B. HOYT  
General Agent  
after

We shall have to wait  
until we furnish our  
large machine before  
can give prices - we  
shall give the actual cost  
price, charging for our  
royalty a few cents per  
ton passed through.  
I should like to know

the Capacity you require,  
the large one runs 150 tons  
per day perfectly, but perhaps  
250 could be put out through  
suit your purpose -

T. A. EDISON,

This was approved by  
J. C. Casman and signed by  
Edison May 9, 1880

Menlo Park, N. J.,

1880.

Edison May 9, 1880  
signed the letter ~~to~~C. H. Patton All ~~the~~ Book should be  
Dear Sir

Regarding Heat and moisture there will be  
no difficulty as our bobbins can be thoroughly  
ventilated.

~~Regarding~~ <sup>Friction</sup> The Reduction of a high speed  
Dynamo 600 Revolutions per minute to  
Mechanism which would serve to give  
positive reciprocation, ~~to~~ per minute  
Gained us at first as we could think  
of no device except a worm reverse gear  
which through which about 25 to 35 pc  
of power is lost but we now have a  
device by which the Dynamo may run  
600 per minute while the pumping  
mechanism shall work but 12  
per second. the result by mechanism  
is that only the friction due to  
a couple of ~~shaft~~ spindles do we

T. A. EDISON,

(2)

Menlo Park, N. J.,

1880.

shall have no difficulty here, with

We find that the Dynamo can be placed  
in a <sup>water tank</sup> box with a shaft protruding  
through a shifting box with a small  
bilge pump inside worked by the  
Dynamo to pump out leakage  
water.

There are two plans which can be  
adopted for working the Dynamo  
say at the 3000 feet ~~level~~ level you  
establish a station the same as  
on the surface 500 or 1000 hp  
can be transferred from the surface  
to the 3000 foot station and there  
reproduced working the hoisting  
machinery as on top and you  
could from that station start  
another pump and thus







friction of the jumping mechanism.

If one of the jumping dynamos showed suddenly have to do work the work itself creates condition which causes power to be drawn from the steam dynamo & the rest off would be at a later period in the stroke. While the other jumping dynamo doing no work would not draw on the engine although both were on the same wire.

The whole thing in a nutshell is that we turn ~~mass~~ <sup>solid</sup> matter of ~~the steam~~ <sup>the steam</sup> ~~by~~ into molecular matter (electricity) and then back into mass matter. (Rotation of dynamo mechanism) and in so doing we of course lose by the necessary friction of the traveling mechanism but we have the great advantage

that while it might be commercially & mechanically impractical to give a mass movement to a large wire rope 10 miles long to convey power & reproduce it at the distance, it is perfectly possible commercially & mechanically to ~~substitute~~ <sup>substitute</sup> in place of a movement of the whole mass of a metallic rope 10 miles long a movement of its molecules throughout the ten miles. The larger the wire or rod the worse it would be for transmission by moving the whole mass while the larger it is the easier ~~becomes~~ <sup>it</sup> it becomes to transmit by the ~~movement~~ <sup>movement</sup> of the molecules;

9

The losses even at <sup>comparably</sup> short distances  
between transmitting a given power  
by the movement of a wire rope or  
the slipping of the rope & the translation  
of the power into electricity & passing  
it through the rope are not widely apart.  
~~of a power. They are in fact of absolute~~  
~~equally~~ molecular transmission, a power ~~to be~~  
times beyond the breaking strain of  
the wire conveying it if the same were  
to be used to convey by its movement even  
partly horizontally,

The electrical system as developed  
here is very reliable and does not  
require an "Electrician" to work the  
system, but can be attended to by  
any thing Steam Engineer or fireman

10

our 120 hp Dynamo & Engine Combined ~~will~~  
will deliver: 120 hp at the 3000 foot level.  
for  $3\frac{1}{2}$  to  $3\frac{3}{4}$  lbs of Coal per hp per hour  
if the 100. This amount of coal making  
up all losses.

~~Although~~ I will give you a rough  
Calculation of Generating  
Conveying & Reproducing 1000  
hp. at the 3000 foot level. based  
on actual costs no royalties &  
~~taxes~~

Ninety seven thousand dollars.

The estimate does not include boilers as  
probably you have extra Capacity - or fire light or  
apparatus from N. York, or labor  
of setting up.  
Depreciation of <sup>Steam</sup> Dynamoes, runs more than  
3 p.c. on Dynamoes at lower level with  
pump mechanism Depreciation about 2 p.c.

Menlo Park, N. J., 1880.

The Cost will be reduced into nearly Exact proportion ~~if you would like~~ to the horse power needed less than one thousand hp.

This price ~~will probably occur~~ <sup>will</sup> occur you out of the nation, but if you take into Consideration the fact that you can deliver this power easily & reliably, add & take from it from time to time, get each hp for  $3\frac{1}{2}$  to  $3\frac{3}{4}$  lbs ~~per~~ <sup>consumed equivalent</sup> coal per hour per hp delivered or the small depreciation, etc I think you will find it to be the cheapest & most reliable method that is known

I should like to ask a few questions

12  
1

What size Pumps, of what construction and how many in station for 200 ft. lift are used at present at the Mine & their capacity?

What improvements are desirable?

How much Water per min. is to be raised 200 ft. high?

What size and kind of Pipe used?

What Space at Station occupied at present for Pumps and tank or reservoir?

What Space can be given to locate Dynamo-Motors (to more mechanical) to operate Pumps directly, or for a series of Pumps below?

Would any special kind Rotary Pumps work to satisfaction?

What are the sizes and specialities of Pumps now used at the Mine, ~~and~~ <sup>what</sup> the engine above ground operated all Pumps to the 300 ft. level.

Could you send us any old drawings etc of your mine or any mine as this we can get out the region of expertise regarding your machinery.

Virginia New Aug 20 - 1880  
J. A. Edison Esq  
Mills Park

Dear Sir

Your last communication dated the 7th inst came duly to hand, and I hasten to reply. I send you with this a tracing of the pit road of the S. W. M. & W. Shaft (Sierra Nevada Mexican and Union Joint Shaft) which altho not absolutely correct will give you a general idea of the system we have adopted on the Comstock as the best suited to our condition for the depth we can go with our pump rods. These pumps are driven by a compound inverted beam condensing engine and are giving a duty of 86 millions pounds of water raised one foot with 100 lbs of coal or its equivalent in mod. pumping from a depth of

2500 feet, discharging into the Sucto  
Tunnel at a depth of 1400 feet below  
the surface. The pump rods are of  
Oregon pine 16 inches square. The pumps  
are plungers 14" dia by 10 foot stroke -  
placed in pairs - at intervals varying  
from 200 to 250 feet. Each pair of  
pumps discharging into a tank from  
which the next pair takes the water.  
The balance bars are placed at intervals  
of about 300 feet. This pumping  
system although cumbersome and ex-  
pensive has proved to be the best and  
most economical up to the depth we have  
gone. The depth <sup>we can</sup> will be controlled by  
1<sup>st</sup> The ability of a rod to carry its  
own weight and do the work required  
of it. When suspended from its top end.  
2<sup>nd</sup> The fact that as its weight in-  
creases by additions to its length the  
speed that it can be run is reduced.  
A part of the duty of the balance bar  
is to carry a portion of the weight of  
the rods thereby relieving the top end

2

of weight to that extent.

The weight of the balance bob adds to the weight of the mass in motion and reduces the speed at which the pumps can be run with safety.

This fact calls for larger pumps to do the same work which again increases the weight of the moving parts.

From this explanation you will see that we shall at some time reach a depth below which it will be impossible to go with our present system - and it is with this fact in view that I am investigating other modes of transmission of power - In our existing system we use large direct-acting double engines with belts carrying 4000 feet of flat wire rope. In this case we are only limited in the depth attained to the strength of rope required to carry its own weight and the load put upon it. As depth is attained however the wear of the rope increases and a relay would be desirable say at about 3000 feet.

The above description applies to our main shaft work. In addition to that we are sinking mines in different parts of the mine at a distance from the main workings, and also running blowing Engines for artificial ventilation in places where our natural ventilation does not reach. The place hoisting Engines on the mines of about 20 HP our blowing Engines are 6 HP - and drive them with Air Compressors on the surface. Are your magnets proportioned to the amount of work required of them or would it be necessary to place a 100 HP Magnet to do only 6 or 20 HP?

Again - For pumping or blowing where the work is constant the magnets would run all right, but in hoisting where the work is intermittent and where it is absolutely necessary to start slowly, without jerks, and stop slowly, how would you control the machine? Would you let the magnet run constantly and drive the reel by friction gear, or would you start and



Stop the Magnets when required, driving  
 the reel by spur gearing.

In the case of minge sinking friction  
 gear might answer, but in the main  
 shaft work, when great depths would be  
 required, it would require a spur gear drive,  
 and the magnets would have to start and  
 stop with the reels. - If you can overcome  
 the above mentioned difficulty I think  
 that your system of transmitting power  
 will be successful in our mines on  
 the Comstock, and would suggest  
 that a trial be made on a small scale  
 say by creating a 100 H. generator and  
 applying it to drive a minge hoist or  
 fan, or a number of them. In case the  
 trial was satisfactory we could extend its  
 application - the experience gained assist-  
 ing us as we progressed. In case of a  
 successful result the water of the Truckee  
 River might be utilized to work our mines.  
 A company formed for the purpose would  
 be able to furnish the power cheaper  
 than we get it at present, our best

Steam Engines now furnished a HP per day  
for about 50 cents. - Should your Company  
desire to make a practical test of the  
system as applied to deep mining as per  
the suggestion made above, I would give  
them all facilities for doing so. In an  
article on the Dynamo Electric current  
in the Franklin Inst. Journal for August  
page 114. it states that when the motion  
of the receiving machine is small, its  
potential force is at its maximum &c

Does this mean that when the speed  
of the magnets is, say,  $\frac{1}{2}$  of the dynamo  
it is exerting more power than when  
the speed is the same as the dynamo <sup>used</sup>?

If this is the case will the speed of the  
dynamo be the same when it is doing  
work as when it is doing no work

In the same article it states that the  
most power is transmitted when the speed of  
the magnets is  $\frac{2}{3}$  of the dynamo - in  
which case about 50 per cent of the  
amount generated would be realized.

If that assertion is correct the speed

#

of the magnets in your case would be only  
400 revolutions - and save much reduction  
in speed in driving our pumps and hoists.

Please send me a sketch of your device  
for reducing speed. It might be better  
for us to have a personal interview and  
consultation, correspondence being slow  
and generally unsatisfactory. Should you  
desire it I might make a flying trip  
East. Write me your views on the  
matter

Yours truly  
W. S. Patton

PRESIDENT,  
HON. BENJAMIN A. VAIL.

VICE-PRESIDENT,  
CHARLES S. CAPRON.

SECRETARY,  
JOHN WEAVER.

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REPORT OF THE

# SAN JUAN AND NEW JERSEY

## DISCOVERY AND MINING COMPANY.

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This company is incorporated under the laws of the State of New Jersey, for the purpose of acquiring, by a systematic use of experienced miners and engineers, such mining properties as the company may consider desirable to hold, either for sale or for development.

The capital stock of the company is \$1,000,000, divided into 100,000 shares of ten dollars each. The shares are full paid and non-assessable. Twenty-five thousand shares of the capital stock are placed in the treasury for working capital.

When the company was organized in April last, it was not the intention of the directors to develop any of its mines at first, but simply to acquire them, and this was so stated in the prospectus then issued. Such, however, has been the success of its able prospecting staff, in the acquisition of very valuable mining property, and so greatly have the facilities for marketing the ore increased in the last few months, that it is now considered that the interests of the company will be best subserved by at once proceeding to develop one or more of its mines, with a view of selling some of their immense deposits of mineral, for the benefit of the treasury and the gratification of the stockholders.

As stated in the prospectus referred to above, the company commenced by purchasing six silver mines entire, a half interest in four more, a fine mill site and a water right, all in the San Juan district of Colorado.

The efforts of the prospecting staff have so increased the company's possessions that it now owns THIRTY-NINE MINING CLAIMS ENTIRE, a one-half interest in TEN MORE, and three of the finest mill sites in the whole San Juan country.

Considerable work has been done this season on the company's "Western Belle" Mine, and with every ten feet of drifting in the tunnel the vein has increased in width and richness. The pay-streak is of grey copper and brittle silver, and is ten times its width when first uncovered. The gradual manner in which the whole vein has widened out with development is very gratifying to all interested, as indicating a permanent yield of silver ore, of both medium and rich grade, in great abundance.

For the purpose of deciding upon a future plan of action the directors recently sent the secretary, Mr. John Weaver, to Colorado to examine the property of the company, and to consult with practical and experienced parties about the advisability of proceeding forthwith to develop a mine, and which mine to develop first, if any.

Owing to the position of the "Western Belle," it being on the side of Mineral Mountain, it can be worked by tunnelling, thus avoiding the expenses of pumping and hoisting, which have to be done when a shaft is sunk from level ground. Another advantage is, the mouth of the tunnel where the work is now being done on the mine, is only about 150 feet from the line of the new wagon road now being rapidly built. This road will enable the men to transport the ore to the

smelters at much less expense than if they had to depend upon the only other means of conveyance, namely, by packing on the backs of mules, or burros, down the mountain trails. Again! near to this mine the company owns a fine mill site, upon which, some time later, it may be advisable to erect smelting works, so that the company can manipulate its own minerals, and for that matter the minerals of other owners also, which will materially help to swell the earnings of the company.

These facts, combined with the character and quantity of ore contained in that mine, justify, the directors think, their decision to at once proceed to develop its resources.

When the company organized, the services of Mr. James A. Drummond were secured, under a three years' contract, which dates from April, 1880. Mr. Drummond being a practical miner and prospector of many years experience in Colorado and the territories.

Arrangements were then made to send out, also, other experienced prospectors, under his supervision, into the districts around the Dolores and San Juan, with instructions to locate and secure for the company desirable silver and gold lodes, carbonates, coal lands, placer claims and other valuable properties appertaining to mining.

Judicious management of the company's affairs have produced the foregoing satisfactory results, at a comparatively small outlay of money. The fact being that the company's possessions have increased in the short space of six months about FIVE HUNDRED PER CENT. in value and quantity, which is probably unprecedented in the history of mining companies, and this without increasing its capitalization, drawing upon its treasury reserve, or making any demand upon the stockholders. The latter cannot be done under any circumstances, as all its stock is full paid and unassessable.

In reference to the mines of the company which are not being developed, all the work necessary to be done under the law, for one year to come, has been done, and no more work is necessary upon any of them before the latter end of next year.

It will be for the company to decide hereafter whether any of them shall be sold or not. To retain them will not make any great annual demand upon its treasury, and at the same time the company will own an enormous amount of the best kind of silver mining property.

The mines are located in several districts. The majority of them are on true fissure veins. A few are carbonate lodes. No placer claims have been taken up. Probably next year the staff may succeed in locating placer claims, but they have discontinued prospecting for this year, in order to push development on the "Western Belle" Mine.

Upon this property a comfortable cabin, a store-house and a blacksmith-shop have been built; a dumping-car and car-track have been furnished, and supplies, tools, etc., have been laid in for a winter's work.

Some of the same appliances would be available for working the "Jersey State" Mine, should the company hereafter decide to develop it, as its opening is only about 1500 feet from the "Western Belle" tunnel.

September 30, 1880.

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#### OFFICES:

NEW YORK:  
SMITH BUILDING, CORTLANDT STREET,  
Room 30.

NEW JERSEY:  
EXCHANGE BUILDING, RAHWAY,  
Room 2.



POSTAL ADDRESS: Billyngsley near North.
EMPTY TRUCKS: To Billyngsley Sidings.
TELEGRAMS: To Highley Station.

Plt to light 10 candles East
from h. - there is not suitable
day light up many wells etc.
Will be ready to take orders
written in above form

Severn Valley Colliery
Company, Ltd.

Billyngsley
NEAR BRIDGNORTH.

Oct 5<sup>th</sup> 1880

J. A. Brown Esq.
Electrician
Meads Park
N. T. Owen.

Atkinson Camp Oct 5/80
S. C. Brindley

Dear Sir,

Referring to your letter of March 31<sup>st</sup> in answer to mine respecting the electric light for mines I should be glad to know if you can supply such light or material for such light as would be suitable for mines of a gaseous nature and the cost would be.

If possible to supply all the paraphernalia requisite for putting the work into operation please you could supply such as would enable us to put the work finished here.

If the light (12 pt) can be enclosed in a hermetically sealed globe of glass & turned on and off with ease of facility & can be maintained by a water power at the distance of (say) a mile it seems to me all that is required, the glass globe would want protection from fall of roof or other accidents but that might easily be obtained by a wire screen of sufficient

strength to protect it, assuming that the glass globe was not sufficiently strong to withstand a severe blow. It is essential, I think, perhaps you are aware, that in order to be efficient the light, could be moved at will by the mine. I should be glad to have the illuminating power of these jets & what expenses would be necessary to keep the light maintained not probable cost, fuel cost & cost of maintenance.

If for the purpose of thoroughly testing or proving in public you would like it exhibited publicly I could I had no doubt arrange for an exhibition in a very large mine and under the auspices of one of the highest authorities as an Institute of Mining Engineers in this country. I should be perfectly willing ready to make the necessary arrangements for you if you should wish but I wish to be the first to show the electric light in the mines here if I can.

Yours truly

S. R. Dimbleby

J. A. Hudson Esq

CABLE ADDRESS.  
"CORNUAD, LONDON."

Dear Cousin  
Benito Paix  
New Jersey

My Dear Cousin

I beg to confirm dispatch of the following cable to you  
"willers milling papers received in what countries and I to patents"  
in reply to which I have your following cable:-

France Belgium New Zealand Norway  
and England"

I will take the necessary steps in this matter immediately

Yours truly  
G. W. W. W.

P.S.

Kindly inform me by return how our arrangements stand with regard to the above. Whether I am taking these patents on our joint life as usual. You will perhaps remember that when we signed our Contract with the Rev. the Milling Co. you found it gave them all your rights throughout the world. You were good enough to propose that I should have some say as to what I did in the matter except should ever propose to do otherwise.

I. J. City of Boston  
Lombard Street, E.C.  
London, W. Oct. 18 80  
I had I could do you take out parts in those countries if you were ready for it - I was all ready yesterday I have not as I only get to the 1/2 of mine  
Ans'd  
Oct. 25 80



Ophir Silver Mining Company.

SUPERINTENDENT'S OFFICE.

Virginia, Nov. Oct 29<sup>th</sup> 1882

Mr. A. Edison

Dear Sir

Your last comments -  
- contain dated August 7<sup>th</sup> in regard to the  
- Electric transmission of Power was duly con-  
- sidered by me - since which time I have  
- heard nothing from you - Did you receive  
- my letter? - please answer as soon as con-  
- venient

Yours truly

W. H. Barton

Mr Edison

Have about this

W. H.

Ophir Silver Mining Company  
SACRED TO JOHN CAMPBELL  
SUPERINTENDENT OF OPERATIONS  
Hampden, Nev. Nov. 1 1875  
until we  
take the matter over

~~Mr. J. A. Edison~~  
P.O.

Yours of the 25<sup>th</sup> ult  
is at hand and contents noted - It might be  
well to forward the drawings you speak of -  
so that I may have an opportunity - to go  
through them thoroughly - I may have a chance  
to give the system a judicial look on the  
construction before long - and would like to do  
as well justified as possible

Yours truly  
W. J. Stewart

**GRINDSTONES**  
BLOCK STONE.

SAWED FLAGS, HEARTHES, STEPS,  
BELTS, CAPS AND ASHLAR.

OVER 2,300,000 TONS SOLD.

WORTHINGTON & SONS,

Quarriers and Manufacturers,  
No. 45 HIGHTST, WIND.

*Farewellly Alden,*

AGENT FOR PENNSYLVANIA.

Office, No. 27 Fifth Avenue,

(WITH EATON BROTHERS & CO.)

Pittsburgh, Pa., Dec. 6, 1880

Professor Edison  
Munio Park  
Dear Sir,  
Your No 10 small crusher  
used in my laboratory  
N.Y., works perfectly satisfactory  
to me.

I wish to furnish in my new  
circular of "Alden's Best Crusher" the  
result of your appreciative experience  
with the No 10 you purchased of S. D. Spalding  
30 East 1st St N.Y. He encloses the circular  
a copy to me from absolute want of him to  
do it properly.

I enclose you my old circular & will  
send you one of the new ones soon as printed.

The farmers are wild with delight  
at the results of H. H. Reels (Smiths) experimenting  
with 400<sup>lb</sup> ground-limestone fertilizer, cost \$1.60  
gave increase (over 14<sup>7</sup>/<sub>8</sub> bushels with standard) of  
31<sup>7</sup>/<sub>8</sub> bushels of wheat, total 35<sup>7</sup>/<sub>8</sub> bushels per acre! While it  
took 250<sup>lb</sup> bone dust at \$5.16 per acre to produce  
37<sup>3</sup>/<sub>8</sub> bushels a 23% increase. Now "young men  
can go" East to raise wheat!

Very respectfully

Your Obed Servant

Farewellly Alden

27-5<sup>th</sup> Ave  
Pittsburgh, Pa.

In enclosed Plan for Pumping Mines  
 the Pumps & Rods are operated with Bars  
 by connecting rod from Geared Lineshaft. It  
 or Dynamo-Motor - Coupl. - Each gear is  
 driven by one 10 to 100 Horsepower Motor  
 the Plan shows 3 such Dynamo motors  
 driving the Lineshaft for 1000 ft. Lift.  
 The Lineshaft with crank, gears and  
 bearings is designed on a main foundation  
 to which the Dynamos may be bolted  
 to mesh in the gear. The Dynamo is in  
 itself complete on one Baseplate (about  
 7' x 12' by 1 ft. high) and proposed to run  
 the Armature <sup>and</sup> 240 revol per min. to be  
 geared down to 12 revol of geared Line-  
 shaft. -

For Ventilating smaller Dynamos may  
 work direct or geared to suit required  
 capacity of Blower and ~~to~~ its speed.

For Hoisting the suitable size or several  
 coupled Dynamos may be attached, coupled  
 to a ~~hoisting~~ <sup>with</sup> ~~operating~~ steam  
 engine attached, the speed to be regulated

The Plan of placing all Dynamomotors on one level say the 3000 ft. level and operate with them a new system of Pumps, rods, Bobs, Blowers and Wingers similar to the system from ~~past~~ <sup>surface</sup> level will enable the best attention to all motive Machinery, ~~within~~ <sup>supervise</sup> the surface Motive Machinery ~~can~~ keep this lower level free of water and accessible.

It would make little difference in conducting the Electricity on this level off from the Main-Shaft if another shaft were to be sunk elsewhere on this level.

From this drawing, nearly to Scale ( $\frac{3}{16}$ " to the foot, to correspond with the one received) it is hoped such changes alterations or suggestions may be developed to be enabled to make working drawings and estimates. ~~The~~ <sup>These</sup> Plans ~~showing~~ <sup>show</sup> the general construction of transmitting Power it is only necessary to state that the smaller Motors have higher speed of rotation, as much as 1000 revs. per min.

Union Consolidated Silver Mining Co.  
Pumps from 6 to 12 strokes -

200 ft. lift for Pump Station.

say 5 Pumps from one generator - (1790)

60 F.P. generator.

All to operate below the 3000 ft. level.

86 millions pound of Water raised  
one foot with 100 ft. of coal.

14" diam. 10 ft. Stroke. in pairs. -

20 F.P. engines for pumps (compression and friction gears)  
6 F.P. " " Blowing Engines

for 200 ft. = 13000 ft. Water at speed  
- of 120 ft. per min. = over 47 F.P. with  
allowance for friction, so that a 60 F.P.  
may be rightly assumed for every  
200 ft. -

Tank chamber 11-5" high

Tank 16' x 8' x 6' outside

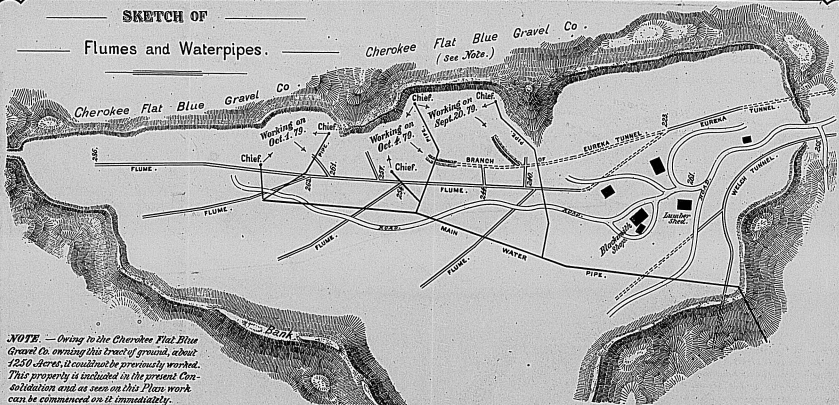
14" outside diam. of Water pipes.

Rob. chamber 3 1/2' deep.

16' to 24' high. -

SKETCH OF

Flumes and Waterpipes.



*NOTE.* — Owing to the Cherokee Flat Blue Gravel Co. owning this tract of ground, about 1250 acres, it could not be previously worked. This property is included in the present Consolidation and as seen on this Plan work can be commenced on it immediately.



North.

South.

North and South longitudinal Section of Gravel banks .

( Scale = 250 Feet per Inch. )





**1880. Mining - Edison Ore Milling Company, Ltd. (D-80-033)**

This folder contains correspondence, agreements, and other documents relating to the business of the Edison Ore Milling Company, Ltd. Some documents concern the Miocene Mining Company, which was established by Edison and other members of the Edison Ore Milling Company to exploit a mine in California. There is also a list containing the names of Edison Ore Milling Company stockholders for the years 1880-1883 and the number of shares owned by each. Related material can be found in the Edison Ore Milling Company Minute Book (Company Records Series).

All the documents have been filmed.

New York January 9<sup>th</sup> 1855

Dear Sir

A meeting of the Directors of the Edison Gas Lighting  
Company, Limited, will be held at the office of R. L. Galloway,  
No. 19 William Street in the City of New York  
on Tuesday the 13<sup>th</sup> day of January, 1855 at 11 o'clock, for the  
election of President, the President, Secretary and Treasurer,  
and for such other business shall properly come before the meeting.

R. L. Galloway,  
Secretary

Thomas Alva Edison

- with -

The Edison Ore Milling  
Company, Limited

Agreement

Dated January 12<sup>th</sup> 1880

This Agreement made this ~~twelfth~~ day of January in the year 1880, between Thomas Alva Edison of Menlo Park in the State of New Jersey of the first part, and The Edison Ore Milling Company, Limited, a corporation created under the laws of the State of New York, and hereinafter called the Company, of the second part,

Witnesseth:

Whereas, the Company has been organized with the view of acquiring and using inventions, processes and letters patent therefor for extracting metals from ores by electricity and other means; and among these, certain inventions and processes of the party of the first part already made and devised, and such others of the like character as he may make hereafter, and such letters patent as may be granted for any of them.

And whereas the said Edison is willing and proposes, for the consideration and upon the terms hereinafter referred to, to assign to said Company all his interest in certain contracts, and to transfer to it his right, title, <sup>and</sup> interest in all his said inventions, processes and letters patent, and the exclusive use and benefit thereof, in and for the United States of America, and all other States and Countries of the world.

Now, in consideration of the mutual agreements of the parties hereto as hereinafter set forth, they respectively agree with each other as follows:

First: The said Edison hereby assigns, transfers and sets over to the Company the three several contracts, and all

his right, title and interest therein, and all benefit thereof, which are herewith handed to the Company, and are described as follows, to wit: (1.) An agreement, dated the 23rd day of December, 1870, between said Edison or his assigns of the first part, and the United States Mining Investment Company of the second part, relating to the working of tailings and other debris on the properties now or formerly owned by the Cherokee Flat Blue Gravel Company and The Spring Valley Mining and Irrigating Company, respectively; (2.) An agreement made at Oroville, in the County of Butte and State of California, the 24th day of November, 1879, between said Edison and his assigns of the first part, and The Big Bar Hydraulic Gravel Company and relating to the working of tailings or debris on the property of said Company; (3.) An agreement made at said Oroville dated the 28th day of November, 1879, between said Edison or his assigns of the first part, and Oliver P. Powers, J. T. Soule and F. E. Miller of the second part.

Second: The said Edison hereby sells and assigns to the Company the entire and exclusive right, title, interest, use and benefit in and for the United States of America, and all other States and countries of the world, in and of his inventions or improvements in or relating to the manufacture of Chlorine water, and in and of all other inventions, discoveries, improvements, processes, devices, apparatus and means hitherto made, discovered or used by him, in or pertaining to the extraction of metals from ores, tailings, gravel or other deposits thereof, whether by use of electricity or of any chemical, mechanical or other processes or

means whatsoever; and does also agree that all other and further inventions, discoveries, improvements, processes, devices,, apparatus and means of the character above described which he may make within the period of seventeen years from the date hereof, together with the improvements upon any of them which he may make within the same period, shall be deemed to have been made for and shall belong forthwith to the Company.

Third: The party of the first part hereby agrees, on behalf and for the benefit of the Company, to make and prosecute with all reasonable speed and diligence from and after the execution of this agreement, investigations and experiments for discovering, devising and perfecting the best and most profitable processes, apparatus, devices and means for extracting metals from ores, tailings, gravel and other deposits thereof by electricity, chemical and any such other means as he can discover or devise; and in respect to all of the things so discovered or devised which are either not patentable, or which the Company shall decide not to patent, Edison agrees to give to it complete and detailed information descriptions, formulae and instructions for practically operating the same, as fast as the same are made by him.

And Edison agrees that he will not disclose any of them to any other person than to the Company, without its permission in writing, signed by its President. And it is mutually agreed by the parties hereto that all expenses of Edison in and about his experiments and investigations aforesaid, provided that the nature and amount thereof have been first authorized and approved by the Company, shall be borne and

and paid by it from time to time as they accrue.

Fourth: All inventions, discoveries, improvements, processes, devices, apparatus and means of the character described in the second or third articles hereof, which shall be made within seventeen years from the date hereof, shall belong to the Company without further compensation to Edison than that provided for him by this agreement; and Edison hereby agrees that he will transfer and secure to the Company from time to time as they are made, the full, sole and exclusive right, title, interest, use and benefit of all of them, in and for all the states and countries aforesaid.

Fifth: Edison agrees that, in respect to all his inventions, improvements, processes, apparatus, devices or means of the character referred to in the second and third articles hereof, which can be protected by letters patent, grants, concessions or other privileges, securing to the owner thereof the exclusive or other special use and benefit thereof, in any of the countries named in the preamble hereof he will, upon the request of the Company, prepare, execute, deliver to it or file as may be necessary, all caveats, drawings, models, specifications and applications for such patents or other grants as aforesaid; and will, as fast as any such patentable inventions, improvements or other devices are perfected, assign the same and all his right, title and interest therein, and in all the patents, or other such grants, concessions or privileges as aforesaid therefor, to the Company, and will execute and deliver to the Company all such other instruments or writings as will secure to it the entire

and exclusive right, title, use and benefit of all of them.

Sixth: The Company agrees in consideration of the assignments, covenants and agreements of Edison as herein set forth to pay and issue to him Two hundred and eighty five thousand dollars of its capital stock; and to pay him an annual salary of ten thousand (\$10,000) dollars in each of the seventeen years next after the third Tuesday of January, 1880, in which its net profits, after payment of all cost of experiments as provided in the third article hereof, and all its other expenses, shall be sufficient to pay that sum; and if said net profits in any year shall not be sufficient to pay the whole amount of salary, then to pay him such part thereof as such net profits will yield.

And the Company further agrees that after reserving and deducting so much of the net profits of each of said seven-teen years, ending respectively on the third Tuesdays of January, as will pay said annual sum of ten thousand dollars and such further sum as will amount to twenty per cent. upon the amount of its stock then outstanding, it will pay Edison out of any surplus then remaining of the net profits of that year, thirty per cent. of such surplus, up to but not exceeding thirty thousand dollars in any year. And it is agreed that the provisions of this article in respect to such salary and percentage to Edison shall apply to each year taken separately by itself and without reference to or in connection with any other.

Seventh: Edison agrees to execute and deliver to the Company from time to time, at its request and expense, such writings of further assurance or such separate instruments



more fully or specifically securing to the Company the interests or any portion thereof which are covered by this instrument as it may require to have.

Eighth: Both parties agree that an instrument or memorandum of agreement made between the parties hereto and bearing even date herewith is superseded by this agreement and is henceforth void, and they hereby release and discharge each other from all obligations under said superseded instrument, and agree that the rights of both parties in respect to the matters contained herein are determined by this agreement only; and as if it had been executed instead of the other.

In witness whereof the party of the first part has hereto set his hand and seal; and the party of the second part has hereto set its seal and has caused its corporate name to be signed by the hand of its President the day and year first above written.

Sealed and delivered in presence of  
as to Thomas A. Edison  
Wm. Lammerey

Thomas A. Edison

The Edison Dan Milling Co  
"Limited"

James H. Banker  
President

Attest  
Stockton L. Griffin  
Secretary

State of New York,  
City & County of New York, ss:

On the twenty seventh day of January in the year one thousand eight hundred and eighty before me personally came William Carman with whom I am personally acquainted, subscribing witness to the foregoing instrument, who being by me duly sworn did depose and say, that he resides at Menlo Park in the State of New Jersey, that he is well acquainted with Thomas A. Edison and knows him to be the same person described in and who executed the foregoing instrument, that he saw him sign the same, that he acknowledged in his presence that he executed the same and that he subscribed his name as witness thereto.

And on the twenty seventh day of January one thousand eight hundred and eighty before me personally came James H. Banker and Stockton L. Griffin to me known to be respectively the persons described in and who executed the foregoing instrument as the President and Secretary respectively of The Edison Ore Milling Company, Limited, the corporation described in and in whose behalf the same instrument was by them executed and they severally acknowledged to me that they executed the same as the free act and deed of said Company, for the purposes therein mentioned and thereupon the said James H. Banker being by me duly sworn, said, that he resided at Irvington in the State of New York, that he was the President of the said The Edison Ore Milling Company, Limited, and that he signed the name of the said The Edison Ore Milling Company Limited; and his own name as President thereof, to the foregoing instrument by order of the Board of Directors of said

Company; and the said Stockton L. Griffin being by me duly sworn, said, that he resided at Menlo Park in the State of New Jersey, that he was the Secretary of the said The Edison Ore Milling Company, Limited, that he knew the corporate seal of said Company, that the seal affixed to the foregoing instrument was such corporate seal and was thereto affixed by him by order of the Board of Directors of said Company and by the like order he signed his own name to said instrument as secretary of said Company.

In witness whereof, I have hereunto subscribed my name and affixed my official seal the day and year first above written.



*Charles R. Roth (L.S.)*  
*Notary Public*  
*New York County*

Memo Paid Jan 13. 80  
Received from T. A. Edison  
Twenty five dollars  
week ending Jan 10. 80

Frank McLaughlin

Bank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been assumed by the sender of the following messages:  
Errors are to be charged against only by returning a message back to the sender within 48 hours, and the Company will not incur liability for errors or omissions in delivery of a message if the sender has not returned it to the sender within 48 hours.

Delivered to an UNRECORDED MESSAGE is delivered to the address of the sender, if the sender has not returned it to the sender within 48 hours.

A. T. BREWER, Sec'y.

WILLIAM COTYEN, Pres't.

Dated New York Jan 14 1880

Received of T. A. Edison  
for \_\_\_\_\_

READ THE NOTICE AT THE TOP.

Will come down tomorrow  
to arrange assignment or  
contract with ore milling  
company for stock issued  
to you

W. S. Sorren

10 paid  
H. H.

W. L. Robinson, Cash  
Geo. H. Johnson, Treas.  
Richard C. Boynton, Secy  
Geo. W. Smith, Asst. Secy  
W. D. Harris, Asst. Secy

CORPORATED  
**The Standard Loan and Trust Company**  
20 EXCHANGE PLACE  
New York  
1888

FOR BOX 1310

Chft. 1. 3000 shs. loaned to J. P. Edison

Transferred Jan'y 14 4880 -

- 700 shs. to Chas. H. Lewis
- 400 " Jamies H. Parker
- 400 " R. C. Cutting Dr.
- 200 " H. W. Darrow
- 50 " Frank H. Laughlin
- 50 " R. C. Cutting Dr. Treasurer
- 4200 " J. P. Edison
- 3000 shs.

# Manuscript of T. Edison of Edison Ore Mining Co

STOCK SURRENDERED.

STOCK ISSUED.

DATE OF CERTIFICATE.	NUMBER OF CERTIFICATE.	NUMBER OF SHARES.	IN WHOSE NAME.	DATE OF CERTIFICATE.	NUMBER OF CERTIFICATE.	NUMBER OF SHARES.	IN WHOSE NAME.	ADDRESS.
Jan 1/80								
Jan 1/84		700	To B. O. Lewis	Jan 14/80	1	3000	Original Issue	Jan 15/80
7		400	To B. Barker	Feb 4/80	24	1200		
7		400	To F. C. Cutting	Sept 4/80	127	1175	J. H. Coning	July 15/81
7		200	To W. S. Green	June 23/81	223	1000		
7		50	To Mr. Laughlin		250	100		
7		50	To Mr. Cutting		255	1000		
Mar 1/83		20	To B. Crookery		264	10		
16/7		5	To Mr. Fox	June 23/81	265	10		
June 23		100	To Mr. Laughlin		266	10		
7		10	To Messrs		267	10		
7		100	To Batchelor	June 23/81	268	10		
7		10	To Barker		269	5		
7		50	To B. Johnson	June 23/81	270	5		
Aug 3/81		5	To B. Upton		271	5		
		935	Balance	Aug 31/81	272	5		
						277	5	
						435	5	
		3000				3000	Balance	



Form No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, stated in regular rates, that have been accepted by the sender of the message.

Messages are guaranteed against only by retaining a message back to the sender within 24 hours of the time of receipt, and such messages are subject to the same conditions of transmission and delivery of delivery as other messages.

A. S. BREWER, Secy. WILLIAM GUYTON, Pres.

Dated Chicago Dec 11/00 1870

Received at St. Paul

Edison

READ THE NOTICE AT THE TOP.

Will find Mr Cummings  
if possible and advise  
you

W. C. Maynard

J. D. H.  
H. J.



No 4 Chicago Ill. 11.17.180

To Thos. A. Edison  
Menlo Park N J

Mr Cummings will  
reach New York Monday  
morning via Hudson  
River road He will  
stop at Peter Lane  
send instructions thru

H. E. Maynard

1888

H. E. Maynard  
11.13 AM

New York June 20, 1880

Mr

A meeting of the directors of the Edison Arc Lighting  
Company Limited will be held at the office of the Company  
on Thursday June 22<sup>nd</sup> 1880, at one o'clock, P.M.

Stockton L. Griffin

Secy



Myrs  
T A Edison

Idm, 25  
311-

How you are coming  
to City tomorrow. If  
possible come to office  
and see papers in  
Davis Ditch

R L Cutting Jr

paid

T. A. EDISON,

Menlo Park, N. J.

July 29 <sup>6 PM</sup> 1880.

3

Oroville Cal 29<sup>th</sup> July

Maj Frank M Loughlin  
Menlo Park N J

Will settle with Chamberlain today  
and get extension of other bonds  
New York parties have offered  
Hendricks three hundred thousand  
think the Davis property could  
be sold for half million in  
sixty days. It is worth  
more

J. C. Logan

Edison  
89

T. A. EDISON,

Menlo Park, N. J., ..... 1880.

*Received from T. A. Edison  
Twenty five Dollars for 3 weeks  
ending Jan 31, 1880*

*Frank W. Taylor*

File

Boston, Feb'y - 5<sup>th</sup> 1880

Prof G. A. Edison

This will be  
handed you by W. T. Reynolds  
of California - who has  
had some communication  
with Mr. M<sup>r</sup>. Linsley about  
his California property.  
his interests are large in  
California: but he can  
better explain himself

Respectfully,  
Chas. H. Allen

2 New York 2/6/85  
1125 AM  
Chas Edison  
Mentor Park  
Major McLaughlin  
presents your check  
thirteen hundred and  
fifty dollars no date  
no endorsement shall  
we pay it

Drexel Morgan  
& Co

18 paid  
No. 6

3 New York N.Y. Feb 9/80  
3:40 PM  
To Edison  
Mentor Park

Have got agreement respecting  
balance of interest signed  
will bring it and  
assignor out down Monday

Frank McLaughlin

15 paid  
No. 7



Executive Office  
Western Union Telegraph Company  
Division of  
Postal, Commercial and Fin. Service.  
James G. Green, Superintendent.

New York, Sept. 7<sup>th</sup> 1882

Thos. A. Edison Esq.  
Grants Park N.Y.

Dear Sir:

Enclosed please  
find complimentary franks for Geo. W.  
Lummings and Frank M. Laughlin as re-  
quested in your telegram to Vice President  
Turnbly.

Very truly yours

James G. Green

Sup't

2

Blank No. 2.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company is a limited liability corporation organized under the laws of the State of New York, and its capital stock is divided into shares of the par value of one dollar each, and the Company is authorized to issue such shares of stock as may be required for the purposes of the Company.

A. H. BERRY, Secretary. **IRVING GREEN, President.**

Dated Ogden Utah - 2/11 1897

Received at Wash Am 7/2/50

J. W. Cummings

Wards Ranch  
mt

READ THE NOTICE AT THE TOP.

Wife writes Powers  
awaits my return  
before going east  
J. W. Cummings

Paid  
1.00 Reto.  
cash

Mat  
Make entry on Journal  
75<sup>00</sup>  
One Melling Co  
J. W. Cummings  
3 weeks salary Feb 14 1899





March 30, 1880

My dear Edition

We could let  
probably 325 per  
share for the million  
Had we better sell  
say 20 shares for  
the balance. I did  
not like to telegraph  
but you can wire me  
Yes or No -

Yours truly  
R. C. Cullum Jr.

Don't think there  
is any for sale  
you might write to the Co.  
Prof. J. G. H. address  
Bradford Pa  
March 31. 1880.

Thomas A. Edison Esq  
Dear Sir -

Am all the shares  
of stock in the Edison Ore and Milling  
Co. taken!

If note, would you have shares to  
sell?

I live here in the heart of the oil  
country, where there is a great deal  
of loose money ready for invest-  
ment, and it will rush to any  
thing your name is connected  
with.

I should like to be made your  
agent for disposing of stock

Respectfully Yours

W. K. Kirkland

Mar 1880

Frank McLaughlin  
200 Broadway Room 8  
New York

Have extended option until  
Monday twenty second

A. A. Edison

1076  
Sent

Oroville April 1<sup>st</sup> 1880

My dear McLaughlin

Please dont accuse me of dealing in dark unfathomed mysteries, because I write so often "this is a secret" - Dont laugh "way up your sleeve, when I say in a Stage Whisper, -- hewa -- r-r-r-r-e! Bent, allee same, melican man, heaf look out.

I enclose a copy of "Notice" for "Big Bend," which explains itself for the present. I am writing a short "Sermon" on the subject which I will send you in a few days, explaining the whole thing. I dont want any one from Outto Co to get hold of a single point connected with this enterprise. The reason, is obvious. Capitalists will not only be black



I mailed wherever it is practically  
but every man who has an axe to  
grind, will decoy his neighbor as only  
having a little tomahawk to whet.

These notices, you will observe, are  
printed. Not written - They are on  
muslin, - not on paper. In a short  
time they will be posted all along  
the river in "Big Bend", and when  
posted, the notice will be recorded  
in Butte Co records. It has been  
raining here, - snowing up there, for  
several days, and as soon as the weather  
settles the notices will be put up. After  
they are up the matter need no longer  
be kept secret. To avoid the chance  
of "leaking" I had the printing done  
in Sacramento - See as many of the  
parties connected with it, as you can,  
and let me know what they think  
of it. To tunnel across the "divide"

3 } from the head of Dark Cañon on  
to North Fork you will see on looking  
at the map is only about one mile.  
Hardly that - each section being one  
mile wide. If the river is filled with  
gold down here, what must it be up  
there? I hope you will think  
as I do about it, that this is the  
largest and most promising mining  
operation ever undertaken on the Pacific  
Coast. Governor Perkins and Judge  
Hurdley, both old miners are both  
very much enthused over this  
scheme. So is Logan, Seaman &  
Do write -

Yours truly  
J. W. Cummins

# NOTICE!

We, the undersigned, citizens of the United States, hereby give notice to all whom it may concern that, under the mining laws of the United States, and the district mining laws of "Yankee Hill Mining District," and the district mining laws of "Berry Creek Mining District," in Butte County, California, for mining purposes, we claim the bed of the north fork of Feather River, in said county and State, from a point on said north fork of Feather River (as shown on the official map of Butte County), where said north fork of Feather River crosses the dividing line between Sections 14 and 23 in Township 21 N., Range 4 E., Butte County, California, and from thence, following the meandering of said north fork of Feather River, up and along said stream through Sections 14 and 13 in Township 21 N., Range 4 E.; thence up said stream through Sections 18, 19, 17, 20, 16, 21, 15, 10, 9, 3, 4 and 6, in Township 21 N., Range 5 E., and through Sections 33, 32 and 31, in Township 22 N., Range 5 E., and through Section 1, Township 21 N., Range 4 E., and Section 36, in Township 22 N., Range 4 E., to a point in said last named Section five hundred feet north of the point where said north fork of Feather River crosses the dividing line between Sections (1) one, in Township 21 N., Range 4 E., and Section 36 in Township 22 N., Range 4 E., in the said County of Butte. Our said claim comprises the river bed from bank to bank of all that portion of the north fork of Feather River, designated on said Butte County map, and commonly known as the Big Bend of the north fork of Feather River, being about eleven miles in length along said stream. We also claim hereby the right to the mines or deposits of precious metals on or in the several Bars in said Big Bend; said bars or some of them being known as Island Bar, Latimore Bar, Berry Creek Bar, and others which are not named, in said Big Bend of the north fork of Feather River between the points before named.

We also claim the right of way to construct and maintain a tunnel or tunnels, and for the right of way for all the necessary flumes, pipes or ditches therewith connecting; said flumes, pipes, ditches and tunnels

to be of sufficient size, capacity and grade to carry all of the water of said north fork of Feather River, at a medium stage of water, through, in, over and across the following described lands, to-wit:

Sections (1) one, eleven, twelve, thirteen, and fourteen, in Township 21 N., Range 4 E., and Sections 6, 7 and 18, in Township 21 N., Range 5 E., and we claim the right to divert all of the water of said north fork of Feather River from its natural bed in said Big Bend, and to carry or run said water through said tunnel or tunnels, and said pipes, flumes or ditches, from a point above said Big Bend at the point heretofore designated, between Section (1) one, Township 21 N., Range 4 E., and Section 36, Township 22 N., Range 4 E., flowing said water into Dark Canyon, and thence returning said water to the channel of said north fork of Feather River at a point below said Big Bend; the points of entrance and exit of said waters to be within the boundaries on said north fork of Feather River heretofore named.

All of the foregoing claims are made for the purpose of drying up the natural bed of the north fork of Feather River through the aforesaid Big Bend, so that we may mine and dig for precious metals in the natural bed of said river, and on or in the bars formed along or in said Big Bend; it being a fact patent to all, that in no other way can the precious metals known to exist in said river bed be reached.

In making such claim and location under the laws of the United States, and the several mining districts in which such claim and location may be situated, we do not propose or intend to interfere in any way with vested and accrued rights made in good faith, and legally held and possessed by other miners or other persons, whose notices of claims and locations or possessions have been made in accordance with the laws and customs of the several mining districts in which our said claims may be located, and in accordance with the mining laws of the United States.

This company shall be known as "The Eocene Tunnel and Mining Company," and its original members are named below:

**James C. Logan.**  
**George W. Cummings.**  
**Frank McLaughlin.**  
**Thomas A. Edison.**  
**James H. Banker.**  
**Charles H. Lewis.**  
**R. L. Cutting, Jr.**  
**Anthony J. Drexel.**

**William H. Vanderbilt.**  
**George C. Perkins.**  
**William H. Cox.**  
**Charles Batchelor.**  
**E. W. McKinstry.**  
**John Hoey.**  
**P. O. Hundey.**

Oroville Apr 1<sup>st</sup> 1850

Major G. M. Laughlin

Dear Sir. If I knew Mr  
Sorens address I would write him in  
stead of you on this occasion. But I  
have left at home or elsewhere the only  
paper I had, with the address and name  
of Mr Sorens firm upon it. Please there-  
fore consider this as a letter to both of  
you. Judge Lott has just read my por-  
tions of a letter from Mr Soren, in which  
Mr S, asks "has Cummings ever con-  
sulted with you in reference to the forming  
of a board of direction of the Company".  
These are not the precise words but embody  
the substance. I have not consulted  
Judge Lott on that point because I con-  
sidered the matter settled, and had no oc-  
casion for doing so. I said my say  
on that subject in New York. I supposed  
the Co. was to be formed under the laws

of California, and in that case, stated that a majority of the Board of Directors must reside in this State. When it was determined to organize under the laws of New York, I merely recommended that Logan and myself should be made directors resident in California - Being overruled I dropped the subject -

Now, relative to the E's title to the Davis property. I had supposed this to be settled also, satisfactorily. Judge Sott, having told me, as I wrote Maj McLaughlin on Mch 19<sup>th</sup> - that the title was "all straight" and vested in me, - with two trifling exceptions which could be made right when the E's should apply for Patents to the property. The exceptions being the 2 Claims on Dry Creek 100 feet front, each. You will remember I stated that I could not give, and the E must not expect, a Wall St title to this mining property.

3 It is held in fee simple under the Mining Laws of Thompson's Flat mining District, and the mining Laws of Dry Creek District and the Mining Laws of the United States:— all the requirements of each of which have been complied with. The Kennedy ground on Thompson Flat is held under a U. S. Patent

It is a portion of a Spanish (Fernandez) Grant, sold to Moore Henshaw & Ord <sup>by J. J. Henshaw & Ord</sup> Sold by Ord to the Kennedys, and by the Kennedys to Davis and by Davis to me. Understand the Spanish grant was Confirmed by the U. States, Patented by Moore Henshaw and Ord - Sub divided, and the "Kennedy" ground passed into Ord's hands.

The balance of the property on Thompson's Flat is held as all mining property is held - possessory title but can be Patented at any time -

I have advised that the Company patent this property when the proper

W<sup>h</sup> time arrives. But inasmuch as the Company are making purchases of property, then, and are quite likely to purchase all they can get hold of at reasonable figures I have advised that the application for Patent be deferred until all purchases are completed. By this means all can be patented for about the same sum in the way of Lawyers and departmental fees as a portion could be patented for.

If the parties owning property, then could get water on it, the property could not be had for anything like reasonable figures. For instance we purchased from Chamberlain, the old Halstead ground for \$3500. I could sell it to-day for \$20,000 if we would agree to let the purchaser have water to work it. If we were to commence patenting our ground now, it would

5  
to give an importance to our operations  
which would raise prices ten-fold. I  
purchased a piece of ground for the Com-  
pany having 150 ft front on the river, just  
below the bridge, running back 300 feet  
for \$175<sup>00</sup>. I had it deeded to the old  
bridge tender and he deeded it to me. The  
parties have said since, "if they had known  
it was for a Company they would not  
have sold it for \$1000." I mention these  
matters to show you why it is necessary  
for the present to proceed very quietly  
and not to make any attempt for a few  
months to apply for Patents.

Judge Satt informs me that there  
is a presumptive lien upon the whole  
property in the sum of about (\$900) nine  
hundred dollars. One of Davis' old em-  
ployees has sued the "76 Co" for that  
amount and filed a lien against the  
property. Of course the man must



to run his case before he can make  
his lien stick - I advise Davis to  
settle in some way with that person

Of course the new company, -  
"The Miscane" has nothing to do with it,  
and our side will take care of the debt  
in final settlement. With this expla-  
nation I believe I have mentioned  
everything pertinent, on my part, to the  
portions of Mr Sorens letter read to  
me by Judge Lott.

Very respectfully  
J. W. Cummings

NYaple 3<sup>rd</sup> 1880.  
R. L. Cutting Jr.  
a. apl 12

No Gold, only a great deal  
of Lead.

My dear Edison

I am going to  
send you by express a  
box of stuff and if not  
too much trouble I want  
you to assay it and see  
what it is in it. It belongs  
to some family of mine &  
if it should turn out to  
be worth anything we  
may do a good thing  
in it. It could be bought

to your place in very  
large quantities at a  
trifling expense. I  
have taken the liberty  
of promising for you  
that you would look  
into it. The bottles all  
contain the same stuff  
taken from different  
parts of the heap. If  
there is anything in it

I will go down & see you this

Wednesday

Wm. G. Spang

R. F. Cutting &

April 3-

Executive Office  
Western Union Telegraph Company

New York April 5<sup>th</sup> 1880.

Mr F. A. Edison

Menlo Park N. J.

Dear Sir,

Enclosed please find two  
books of ~~france~~ from Col. McLaughlin  
for your request ~~which~~ <sup>which</sup> you complete  
success in ~~the~~ <sup>the</sup> ~~future~~ <sup>future</sup> remain

Yours truly

H. M. Crosby

No Gold  
Not good for  
Not good for  
Oroville April 5<sup>th</sup> 1880  
Prof Thomas A. Edison Sulphuric

Dear Prof today's mail I send  
you a specimen of Quartz containing a  
large quantity of Sulphuric Pyrites &c

Is this the kind you  
require for making acid? If so there  
is any -'s quantity of it about ten  
miles from here. I should like to know  
the result of assay for the benefit of all  
concerned. I have never heard any-  
thing from samples sent you heretofore,  
and as this belongs to some clever fellow  
who would do us a good turn whenever  
Chance presents I would ask that you  
make a note of it and ask Griffin  
to send me result -

Yours very respy  
J W Cummings

I hope the Major left  
this morning

Gold and Mercury  
~~rich~~ Oroville April 5<sup>th</sup> 1880

Prof Thos A Edison

Dear I send you by  
mail today a package of Black Sands  
from ground about  $\frac{1}{2}$  mile from my  
office, belonging to George Springer and  
others. This is property that can be  
controlled should you desire it, and  
the parties would like to know the  
result of your assay. Major M L  
was to have forwarded a package to  
you, similar to the one I now send,  
(as they say) but he left before they  
brought it in. As the Major is coming  
out, the two packages I send today  
will be my last, unless <sup>otherwise</sup> directed by you  
- I shall be glad at all times to pro-  
cure any desired samples for you within  
my reach.

Yours very resp<sup>ly</sup>  
J W Cummings



John H. Foster,  
Governor of Iowa,  
Gen. Miles Suman,  
The Kansas Show,  
Gen. S. Hamilton,  
Wm. L. Foster.

P. O. Box 1836.

Porter, Lowrey, Loren & Shaw.

Attorneys & Counsellors at Law.

No. 3 Broad St. New York.

1 Enclosure

April 13

1870

Dear Mr Griffin I return letter of Agent  
by Cummings & de Laugher. I have taken  
copies fit. and will have it read by your  
own Committee.

I had had a conversation with Mr  
Cutting to day. I had heard nothing of the  
affairs of the Company for so long. I wish  
if any news had been received.

I should advise that correspond-  
ence in business matters should be carried on  
with the officers of the Company - and without  
"neglecting our office" as Counselor it would  
be prudent that, at this stage of the Com-  
pany's affairs, all letters relating to its  
titles and acquisition of property should be  
duplicate at least to us.

With regards to all the E. Iowa Colony  
especially to your Family Ref  
I am truly  
Yours





Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been previously set forth in the general conditions of its contracts of service. It does not assume any responsibility for the accuracy of the messages transmitted, and the Company is not liable for any loss or delay in the transmission or delivery of telegraphed messages. Messages transmitted by this Company are UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. R. BREWER, Secy.

MORVIN GREEN, President.

Dated Noville Wash 4/27 1880  
Received at 645 Pm

To Edison  
Menlo Park

READ THE NOTICE AT THE TOP.

Letter mailed you today  
boy by express all OK  
H McLaughlin  
1020 H  
cc. f

6545-6-10

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by a party capable only by receiving a message back in the special station for retransmission, and the Company will not be liable for errors or omissions in the transmission of telegrams or messages, unless the conditions hereon are UNWAIVERED. MESSAGE and is subject to special conditions, unless the conditions hereon are UNWAIVERED.

A. H. BREWER, Secy

NORVIN GREEN, President

Date: New York April 29 1880

Received of J. D. Edison  
to menlopark

Received favorable telegram  
from Mar shall go to  
see you this week  
possibly tomorrow

*R. S. Cutting*

14 paid  
H. G.

READ THE NOTICE AT THE TOP.

EDWARD B. MERRILL,  
LAW OFFICE,  
65 WALL STREET, N.Y.

New York  
May 7 1889  
My dear Mr Edison

After having your  
yesterday it occurred to me  
that it might be well to have  
a letter to your friend Mr Mc  
Laughlin - Will you kindly  
send me a note of introduction  
to him - which may be of use  
to him as well as myself after coming  
in California July 30th

E. B. Merrill  
Care E. B. Merrill Esq  
No 65 Wall St

3

Oroville Cal 17

May 17-80  
3/12/80

Thos A Edison  
ms

Did tailings shipped by  
Cummings ever arrive Have  
you sent me plans etc of  
Mill Answer

F. McLaughlin

16 Stt  
H-9

Oroville. May 19<sup>th</sup>. 1880.

Prof. G. A. Edison.

Dear Sir.

The samples I express per Wells Fargo Co, to day with what Mr Cummings has already shipped ( I refer to the tailings <sup>99</sup> sent by him last Feb<sup>l</sup> and 1<sup>st</sup> March, ) about exhausts the claims in the immediate vicinity of the contemplated mill, and will doubtless be all that you will require. I consider that the entire mines of the County, if not of the state will naturally fall into line and become tributary to our Mill. All hydraulic tailings, beyond the shadow of a doubt, are rich in gold, and the quantity of tailings we control in the claims of Spring Valley, the Powers, the Miocene and the Lava Beds is simply enormous. If the result of the assays of the samples forwarded warrant it I can contract with the Chinese working the Lava Beds for twenty five to one hundred tons per day of tailings like sample for \$2<sup>00</sup> per ton. This includes the hauling of same to our mill, if we meet it within 4 miles of these Lava Beds. I have been over all the vicinity of Oroville and consider Thompsons Flat to be the place for the Mill. We can build on the bedrock

2.

exposed in the old Halstead ground. This is within 200 yards of the Knoxville, Cherokee and other roads; about  $1\frac{1}{2}$  miles from Knoxville and within  $\frac{1}{4}$  mile of the Lava Beds in a position where the power can be derived from the water of the Miocene Ditch, and the debris or Mill tailings can be sluiced through an old 'Cut' into the River. It is on Miocene ground and can no doubt be rented from that Co. at a low figure being in a position where it can never interfere with mining operations -

The matter of Sulphuric  $\text{O}_2$  for the manufacture of acids required by the Mill, I think can be determined by your assay of the samples forwarded. If we call for any large quantity of such material we shall doubtless have responses from all parts of the state - as its presence in large quantity seems to be the leading difficulty with the Quartz Mines worked here.

Since my last letter to you I have read an account of the Edison Electric R.R. Now, if it were possible to run such a railroad from the Apping Valley Dump to Thompsons Flat the question of expense in hauling the tailings from the dump to the Mill would seem to be answered - as the cost for building and operating such a road was said to be very low. The right of way could doubtless be secured for a small sum, if not gratis. Very little grading would be required - distance say about 12 miles. It could be made to pay in Passengers and Freight and the saving over the hauling of tailings

by Wagons at \$1.50 to \$2.50 per ton would be great. The idea of a Flume or Sluice box from the dump, would have to retire into its Ulster on account of the cost, even if such an idea be demonstrated as possible by Survey.

The people here are very anxious to see the Mill established, and I hope that you will soon be able to spare the time to visit this locality and start the ball rolling. The S.F. 'Mining Press' put on a pair of horn spectacles and read the garbled press accounts of your Ore Milling process and pronounced it a failure. You can console yourself by knowing that this newspaper is regarded throughout the Mining regions as a useful tho' coarse substitute for Medicated paper or the primitive handfull of grass. The 'Chronicle' was just beginning to peer when a guardian Angel in the form of young Kallacks sat down and upon Mr De Young - His jac - ass. Another sample of Edison work. To the S.F. 'Call' which demanded a full account of the intentions of the Co. I took the liberty of warbling the following sentiments - "The Co comes here of its own free will. It has ample capital to carry out its intentions. No one is asked to invest in it - Not one share of its stock is offered for sale. It cares nothing for so called Public opinion, and the gentlemen who have put their capital into the scheme are perfectly willing to abide the result of Prof. Edison's opinion. Whatever they see fit to purchase will be paid for. It is



## 4.

absolutely independent, proposes to do what the mine admittedly cannot do, and suffers no annoyance from the opinions of ignorant people, whether public or private. — in short don't care a damn —

The tailing deposit owned by Judge Rust (of which I wrote you in my last) is still in abeyance pending the Judge's leisure. When business gets a little slack with him, he will go fully into the matter with me. I expect to ship you samples from this deposit next week.

Not having the plans and specifications which I both wrote and telegraphed for I cannot forward any information which will assist Mr Horng in his calculations. I do not know to whom I am indebted for the brilliant bursts of patience with which my letters and telegrams have been received so will confine myself to mental thanks.

I have worked One Milling business very economically, and so shall not apologize for expressing the samples forwarded today. The delay which attended the shipments made by Mr Cummings - by rail - warrants the outlay.

The following is a list of samples forwarded per Wells. Fargo & Co to day.

No 3. Tailings - flume. Day Creek.

I call this 'concentrated' as it represents the clean up tailing after about one month's run. Of this we can count on about 5 tons per day when the mine is operated the

7.

in two masses in this mine.

Tomorrow I shall forward to Messrs Cutting & Lewis a Report on Moccene matters to date, a copy of which I will send to you to enable you to judge how ~~affair~~ affairs are progressing in that connection. I have had my hands full in this matter but all goes well. I again mount the rostrum and proclaim that the Moccene is the "Boss Bonanza".

Your friends (whose early education seems to have been most damnably neglected if inability to write me a letter be a criterion) got into the best and largest mining scheme for the least money that has ever been presented in N.Y. And being your friends I am 'much proud' that the project I placed before them is going to be a sure and big success.

Trusting that you are enjoying the best of health & good fortune

I am Yours  
 Frank M. Laughlin

[INCOMPLETE]

Orville Cal May 19, 80

F. M. Laughlin

Noans

part of this letter

went to Dr. Hinds May 27, 80

Oroville Cal 19  
Thomas A Edison

May 20. 1880  
7<sup>40</sup> AM

Thanks for Telegram Expresses two  
hundred & fifty pounds tailings  
and wrote you fully today  
drew on cutting for first  
mile ditch Monday Miocene and  
Ore milling all OK Leave for  
New York June first to return  
here by July first

Franks McLaughlin

40 N.H.

Greenville - May 21. /80.

Friend Nelson:

I write you this "personal" fearing that if I mentioned the matter in my Report only, that, in your glance over the same, you might fail to take notice of that which I am very anxious about, which is this.

You will remember that it was agreed between you and myself that I might return for my family in two months time and in pursuance of that agreement I shall start for home about June 1<sup>st</sup> as I telegraphed you. The weather here is already getting into fighting trim for the hot season and as a matter of health and to beat the heat I must have my folks here by July. By starting about ~~June~~ <sup>June</sup> 1<sup>st</sup> it gives you, Cutting & Lewis (to whom I have written of my intention of returning,) time to telegraph me anything you may want done before I leave.

In addition for my reasons for returning that I have mentioned above I have some very important matters to lay before the Co's. which written Communications cannot do justice to -

Trusting this will suit you I am

Yours Frank M. Laughlin

4 Orpoille Cal. May 27. 1880

Thomas A. Edison

Menlo Park N. New Jersey

Power can pass sand by  
building a new undercurrent  
It will cost about two hundred  
dollars. Shall I build it?

20 D.H.

Frank M. Laughlin

\$3.30 4x af 617 am may 28

May 26, 80  
26th

F M Laughlin  
Oroville  
Calif

Yes build it  
Edison

JWH

208  
9 Hs

Campan & Co. Inc.  
Camden, N.J.

	2	Lang. Bar	2.00 ✓	
	10	F. W. Lang Bar	25.00 ✓	
	12	Chemical apparatus	20.50 ✓	
	7	Security & Co. Chemoff	4.00 ✓	
	21	F. W. Lang Bar	25.00 ✓	
	18	Chemicals	4.25 ✓	
	19	Lang. Bar	40.00 ✓	
	21	Chemicals	17.73 ✓	
	26	Lang. Bar	52.00 ✓	
	18	Chemicals	10.75 ✓	
	28	F. W. Lang Bar	25.00 ✓	
	29	Chemicals	4.95 ✓	
	20	Lang. Bar	35.17 ✓	
Jun 6		F. W. Lang Bar	25.00 ✓	
		Castings	2.75 ✓	
	11	Lang. Bar	34.00 ✓	
		Chemicals	34.26 ✓	
	8	Chemicals	22.85 ✓	
	12	F. W. Lang Bar	25.00 ✓	
	5	Marks Burdette	74.24 ✓	
		Chemicals	6.30 ✓	
	17	Lang. Bar	39.50 ✓	
	19	F. W. Lang Bar	25.00 ✓	50
	17	Passage Secants	25.00 ✓	81
	17	Marks	74.00 ✓	24
		Van Moring Ants	2.50 ✓	
		Marks & Bonds	1.57 ✓	
			796.10	





	2263		
July 19	chemicals	7.96 10	1040 ✓
24	Pay Roll	46.60	✓
26	G. W. & Langhin	25.00	✓
26	Cash	26.5	✓
27	Cash advance to bank	200.00	✓
27	Chemicals	26.30	✓
	Samples Ind + Mar	2.15	✓
22	Chemicals	8.80	✓
29	Cash	9.75	✓
31	Pay Roll	61.50	✓
31	Salvony	60.18	✓
	<del>Chemicals</del>	<del>25.90</del>	
Aug 2	G. W. & Langhin	25.00	✓
	Salvony & Stamps	31.40	✓
4	Copper Pens	2.32	✓
4	Exp. Rec	3.02	✓
11	Books	4.25	✓
	Chemicals	3.88	✓
	Cash	35.00	✓
7	Pay Roll	86.00	✓
	G. W. & Langhin	25.00	✓
		2454.44	

25.80  
10.80  
30.00

1491.10  
367.3  
1854.3

		14	1454	44	
Aug 6	Cart			19	64
	Chemicals			9	24
17	Pay Roll			36	00
	W. Langham			25	00
16	Chemicals			20	00
	Stamp & Envelope			12	00
23	W. Langham			25	00
20	Pay Roll			36	00
15	Chem app			20	00
16	Cost			6	00
24	Chemicals			8	57
28	Pay Roll			37	20
28	W. Langham			25	00
30	Chemicals			22	43
	Expens & Jan m			2	82
Sept 4	Pay Roll			28	00
6	W. Langham			25	00
6	Chemicals			27	73
9	Cart adv trip to Cal			40	00
11	Pay Roll			28	00
19 Aug 18	Chem app			2	00
3675					
2557411	W. Langham			25	00
	Chemicals			3	80
20	W. Langham			25	00
19	Pay Roll			28	00
		23			
		48			
		125			
		55			
		2			
				2	355.93

285583

16	Cash - bank south	100.00
	Stamps & Exp	19.27
10	Commodore	7.55
17	Pay Roll	25.00
	7.72 Long Run	25.00
25	Amalgamated Express Co. Cash	7.50
	Expenses	3.29
27	Pay Roll	25.00
28	Bank of America Express	16.00
2	Pay Roll	20.00
4	Pay Roll	20.00
11	7.72 Long Run	25.00
18		25.00
14	7.72 Long Run	10.00
17	Pay Roll	7.35
18	Pay Roll	24.00
	Cash & Stamps	14.07
2	Amalgamated	20.18
23	Commodore	19.75
23	Pay Roll	20.00
25	7.72 Long Run	25.00
	Amalgamated	4.50
	Expenses	5.21
31	7.72 Long Run	25.00
31	Pay Roll	20.00
	Amalgamated Express Co. Cash	9.00
1	Blanchard	4.00
	66	
	75	
	132.50	3007.57

ans

		3002.57
Oct 8	F M Langlen	25.00
6	Pay Roll	20.00
	Chemicals	8.30
13	Pay Roll	20.00
	Chemicals	16.10
	Pay Roll	53.00
	Chem	41.70
29	F M Langlen	25.00
	Cash advanced for trips	550.00
	Chemicals	102.30
Nov 3	Cash withdrawn expenses etc	146.28
4	Pay Roll	20.00
11	F M Langlen	25.00
11	Pay Roll	20.00
13	F M Langlen	25.00
	Hidden Expenses etc	47.35
13	Chemicals	2.40
16	Pay Roll	20.00
18	F M Langlen	25.00
25	Cash sent to Cal M L	100.00
	Amount	23.26
Jan 2	F M Langlen	25.00
	61	
	60	
		4306.39
		4301.19

Menlo Park. June 28/.

N. A. Harris

Cherokee.

Cal.

Your message of acceptance  
received. No other

Frank M. Laugh

75¢  
Stamp

12 35  
9 Ho

July 20<sup>th</sup> 1882

Clarence Cary

W. U. Building

197 13, way

N.Y.

Send sand immediately

T. A. Edison

MEMO

N.P.

Boston 30

July 30. 80  
1031-

S. L. Griffin

When will, medicine  
stock book be ready

C. H. Lewis

7 Paid

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and RECEIVES messages only on condition, limiting its liability, which have been assumed to by the sender of the following message, to the sending station for completion, and its company will not be held liable for errors or delay in transmission or delivery of the message.

The message is an **URGENT** message and is delivered by request of the sender, under the conditions stated above.

A. B. BIRNBAUM, Secy. N. O. 1

NORVIN GREEN, President.

Dated Boston Mass 30 1880

Received at London 7 30 80

To Stockton L Griffin  
Menlo Park

When will medicine stock  
book be ready

C. H. Lewis

7 Paid x 1031-

READ THE NOTICE AT THE TOP.

Blank No. 1.

## THE WESTERN UNION TELEGRAPH COMPANY.

The Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted to be the order of the receiving station.

It is not responsible for retaining a message which is the sending station for comparison and the Company will not hold itself liable for errors or delays in transmission or delivery of messages.

This message is an **UNRECORDED MESSAGE** and is delivered by request of the sender, under the conditions stated above.

A. B. BROWN, Secy.

NORVIN GREEN, President.

Dated O'Fallon, Cal. Aug 10 1880

Received at Waukegan, Ill.

To Thos. A. Edison

READ THE NOTICE AT THE TOP.

Telegraphed Lewis twice asking him if and when he is coming out but no reply to them want him badly matter of importance to me and keep gain control for us of big bed which Chicago parties are fighting for can you stir even up our means affairs in first class condition will write yourself and Barker fully this work all well

Francis M. Langley

6254

Md. St.  
8:30 Am

OFFICE OF R. L. CUTTING, JR. & CO.

10 William Street,

P. O. Box 881.

New York,

187

Oroville, Cal.,  
Aug 18<sup>th</sup> 1888

R. L. Cutting

I have this day drawn for  
seventeen thousand dollars, ten thousand  
- and for two miles completed ditch  
accepted by me, seven thousand for  
old property now owned by Mivcens  
Company dead recorded title former  
- ced perfect Mivcens affairs in  
splendid condition, thirteen miles  
ditch nearly completed flume well  
under way mine being rapidly put  
in condition for working water (now?)  
running through upper ditch,  
my report will be forwarded to your  
self and Banker this week  
All well, send Edison copy of this

Frank McLaughlin  
Vice Pres.

V. A. Edison Jr.

The above is a copy of a telegram received from  
Mr. Frank McLaughlin today, yours truly, R. L. Cutting Jr.



Oroville. Cal. Aug 24<sup>th</sup>/80.

Friend Edison,

I enclose you herewith copy of my Report to Messrs. Bunker and Lewis. After reading it (which I hope you will do,) please have Griff mail it back to me. It shows all that has been done up to date in 'Miocene' and is a true picture of the finest Mining operation in this or any other state.

I telegraphed Lewis twice, asking him if he intended coming out here. After telegraphing you that I had done so I received a despatch from him stating his intention of visiting Cal. in the Fall - that his business was now too brisk and that he would write - if he keeps his promise to come out as he does that of the one to write he won't see much of California - but I believe him to be a true, square, gentleman, and some day he will redeem his promise. My reason for desiring the Col. here (outside of Big Bend,) was for him to look into Miocene matters, so that he could show the Eastern backers of the mine the value of the property and the necessity of the works I suggest. Above all we require a Summer Reservoir above our head-dam. This we can secure by purchasing Crane Valley at a cost of about \$7000. then by building a dam and gate across the

2.

outlet of the Valley we could rely on having from 3 to 4000 inches the year round. It is a matter that at some time must be done and now would be the time to do it, but it can wait until we have had a clean up or two when they will realize what a Bonanza they confront and hasten to help it in every way.

We also want an Electric light or lights for the claim and about this my ignorance is of the most brilliant character. I do know that we have all the power we want in our pipe or ditch and in the River that washes (without soap) the foot of the mine, but what else you may want to know to assist you in manufacturing the lights we require is where my hair is dwarfed. Can they - the lights - be so fixed as to be easily reflected in any direction required and easily moved from point to point in the claim? We will want them along our 1500 feet of sluiceways and to light up the claim generally. We will start water on or about Nov. 1. so that we have not much time to spare. Please let me know all the particulars you want in this matter.

Now for a little Ore Milling - Powers did nothing in the way of undercurrents having had to move all his pipe, chiefs and sluices, to another point in his claim. He is still working to get this new part opened up and will not be through for a couple of weeks when he will commence building the undercurrent I spoke to you about. Nothing has been done with tailings at Spring Valley, neither do I think it worth while to do anything there until Jack and myself experiment on his sluices with the

understand we will build. The Auction boat of course proved a failure so that we can't procure tailings from that source. Luckily however, a new set of clamps is being built a new boat called the Ray Stone Dredger. Sim to get tailings from the flume of this boat when they get to work. She will of course end in a 'bust up' but if these rivers sand contain pay by our process we may either buy her for junk iron and work her or contract with them to deliver us tailings at a stated sum per ton. I went up to Corviers (the black sand tunnel,) but found they had shut down but will commence operations again about Sept. I will then see on what terms we can get the black sand from them. The tailing boom in fact was about dead when I got back but I've got it started up again and when the mining season commences. I'll galvanize it into a Rounding Buck of the Sierras. Hendricks just returned and he of course is filled to the ears with "What I saw at Menlo". This backs up my statement to the "Mercury". (which has been copied by several papers,) so that all goes merry as a school hunt.

**EDISON REDUCTION WORKS.**  
**What Will be Done—When, Where and How.**

Being kindly granted an interview, Monday, the reporter gained the following information from Major McLaughlin regarding the Edison Reduction Works. A force of five men are now engaged at Menlo Park working on tailings from the Comstock mine. Another and larger crew is hard at work constructing a magnetic separator of fifty tons capacity per diem which will be used in the works at this place. Experiments made with the tailings from this vicinity, on a small scale, have proven highly satisfactory, but in order to make assurance doubly sure, Mr. Edison has decided to manufacture and test all the apparatus at Menlo Park before shipping. This will enable him to remedy any imperfections that may be discovered as a testing process and also avoid the waste of time that would ensue were the untried apparatus sent to the machinery works to be set up in the works. He has guaranteed the stockholders of the company that he will be in this city in September or October and personally superintend the construction of the process buildings and machinery.

power, electricity will be used, and will be supplied by a dynamo driven by gas power located on the well-known "Pepper" river about a mile above the site. These works would have been in operation by the first of the month had Mr. Edison not been so fortunate in inventing the electric process and that process has been in operation since the first of the month. The construction of the works at Menlo Park has been completed. The process of the works and the reduction works which is the selection of the company to build a short line of electric railway in connection with the mill, which, with the exception of the high level Menlo Park, will be the street in the city and run by the water power in the lower part of the river being and later proceed to the city. It is not proper to state that the process of the works is not owned by Edison of the Edison works shown in the accompanying the above sketch.

The brightest picture ever taken but I also know that you

can, I know, be realized. in person.

underground we will build. The Auction boat of course proved a failure so that we can't procure tailings from that source. Luckily, however, a new set of stampmills are building a new boat called the Roy Stone Redger. I'm to get tailings from the flume of this boat when they get to work. She will of course end in a 'bust up' but if these River pans contain pay by our process we may either buy her for junk iron and work her or contract with them to deliver us tailings at a stated sum per ton. I went up to Corvairs (the black sand tunnel,) but found they had shut down but will commence operations will then see on what terms we can get the black sand. The Milling boom in fact was about dead when I got back up again and when the mining season commences a Grounding Buck of the Siemens - Handicks just now is filled to the ears with "What I saw at my statement to the "Mercury" (which has Peppers,) so that all goes merry as a Cow



The brightest picture ever drawn of One Milling process ever, I know, is realized - but I also know that you must view the field in person.

Another reason for my desiring Lewis here was that he could see (as an Emisary for yourself and others) a splendid opening for an Electric Railroad. Right across the river from this town rise the high bluffs of Thompsons Flat and on the meadow like flat back from these bluffs this town of Oronville will some day be. Now it lays on a level with the river, subject to floods and malaria - there it would be some 200 feet above the river - on a broad plain sheltered from the North wind by the Table Mountain and cooled each night by the east breeze. The greater part - estimated at about 70 per cent - of all the trade into the town now passes across this flat across the river bridge into Oronville. From the flat to the town of Biggs on the C. & O. R.R. is 12 mile of level agricultural country. An Electric R.R. from the flat to Biggs would, at a safe estimate, pay a profit of from 1 to 200 dollars per day and at the same time would be the cause which would start this town from its foundations and rebuild it on land which the Govt Patent will gain for the Mioeme Co. land not required for mining for the next 40 years. The right of way is owned by Cummings, Logan and myself. You may remember we planned to build a Railroad here. This right of way you can control and if you intend introducing the Electric Railroad in the West I don't know a better place to start in.

Col. Logan and myself are also (thru Gov. Perkins) about procuring a franchise for a R.R. to run into the Upemite. A Railroad of only

20. miles would enable tourists to enter right into the heart of the Yosemite from S.F. by rail, and would double the enormous number of tourists who now annually enter the Valley. With this franchise granted by the State (who own the Valley,) a Company could at once be organized to build an Electric R.R. with Grand Hotel &c. 'dars millions in it! This franchise will of course be yours.

I intended investigating, as you desired, the little points on the Cen. + Union Pac. R.R. where such a stand as yours is required, but the field is such a large one that if I had got off at the different points, my life, even if drawn out to the lengthy span of Old man Methusala of Bible notoriety, would be spent wandering along the iron track that so lovingly binds the East to the West - price, 1<sup>st</sup> class, \$139.

I gleaned the following information at places where your system is just the means of locomotion required.

Kearney Junction. Stages leave here daily, except Sundays, for the Republican Valley, and all intermediate points, carry U.S. Mail. connection made with stages for every town in the Upper Republican Valley + Northern Kansas. Large amount traffic. Wood and water plenty. grade easy. ground slightly rolling.

Sidney -

The Black Hills business is of great importance - two daily stages taking passengers through to Deadwood, 267 miles, fare \$50. - less in summer. Freight in large quantities shipped on Wagons. This is the shortest route to the 'Hills'. Road easy grade.

- Cheyenne. The principal outfitting point for the Black Hills. The amount of freight shipped from here is enormous. Now awaiting a R. R. to the 'Hills' via Ft. Laramie & to Montana. Road good, Water and wood along the whole route. distance - 266 miles.
- Rock Creek. Stage lines leave here for Fetterman connecting with the main Wyoming & Montana stage lines - an inexhaustible field.
- Green River. Stage lines run to the rich gold and silver Sweetwater Country. All freight for the Govt posts and Country to the Northward is hauled from this station - A Railroad would open up an enormously rich country now depending on stages.
- Winnemucca. Stages leave here daily for McDermott, 80 miles, fare \$15 - Paradise, 40 miles, fare \$5. Silver City, Idaho, 200 miles, fare \$40. Boise City, 200 miles, fare \$40. Fast freight teams run daily to all these towns and mining Camps in the adjoining Country. Considerable talk is being made for a Railroad, survey having been made.

The Wasatch & Jordan Valley R.R. of Utah runs into the heart of the richest mining ground in Utah. It is a 3 foot narrow gauge - 16 miles in length. 85 miles are operated by narrow gauge locomotives and the other portion by mules - At the end of the present track, is a mining town of about 500 inhabitants. To the north, over the mountains two miles is Big Cotton-Wood Canyon, to the south, 3 miles, is the Miller Mine and Forest City 4 miles. There are nearly 2000 mines located within

7.

five miles of Alta and some 12,000 people. The business of the R. R. is the transportation of ores and supplies to and from the mines. Hundreds of Cars are loaded daily. The portion of the road worked by the festive mules is about 7 miles long. The grade is about 600 feet to the mile. Curves in places 30 degrees. Here I should think would be splendid ground for Electric locomotion.

The above is not a drop in the bucket of the vast field now open through this Western Country - and the field is even more unlimited right in this State and neighborhood. All of which I sincerely hope to show you here in person this fall.

Having now got Widespread business in shape and affairs down to detail as you will doubtless see by my Report (copy of which I enclose) I shall write more frequently hereafter. If you can prevail on Col. Lewis or Mr. Gantner to pay us a visit for the Lords sake do so. The 'big things' that could be got by such men are simply numberless.

Don't forget the Light for the Claim. In my next I will let you know the number of telephones required for the ditch.

With thanks and best wishes I am  
Yours

Frank McLaughlin



Oroville. Cal. Aug. 25. /80.

Friend Edison.

I enclose this letter in one to Bach so as to be sure and have it brought to your personal attention and to take up as little of your time as possible I will make it brief as a Chinawomans hoof.

1<sup>st</sup> As Cummings explains the Vanderbilt, Edison, Banker & location was abortive but by gaining the old Rathrop - Zambotich - Hundley location Messrs. Logan, Cummings and myself now own Big Bend. Our title can only be strengthened by a Govt Patent which we are applying for and through certain influences will soon obtain.

2<sup>d</sup> Whether your friends come into the scheme and float it or not you own all my interest, present or to come, in Big Bend. All that I ask is that you take care of Chas. Batchelor and myself in the matter.

3<sup>d</sup> The proposition in a nutshell that Logan & Cummings make to me as representing Eastern Capital is this. We (Logan, Cummings + myself) turn over to yourself and associates the entire stock of the Company. 200,000. Shares: ~~off~~ <sup>you</sup> issuing to us, in paid up unassessable stock, 10,000 shares each and to the parties mentioned in the enclosed letter 10,600. With 100,000 of the 159,000 shares remaining you organize

2.

the Company with a working Capital of \$500,000. This amount will amply suffice to carry through the work - in fact \$360,000 will do it. In view of my statement as to cost of the Miscene ditch I think I am entitled to confidence in my estimates.

4<sup>th</sup> The Co. pay to J. C. Logan \$3367<sup>50</sup> being the amount actually paid out by him.

If 100,000 shares are sold at \$5. each it gives an ample working Capital of \$500,000. and leaves 59,400 shares to divide between Edison, Banker, Guerne (Banker's friend,) Cutting, Lewis & Batchelor. In addition you have the distribution of my 10,000 shares.

If Banker, Lewis, Cutting & Guerne go into the scheme all they have to pay out is \$350. each. Cummings, Logan & myself do the same. This money will pay for Divulsi, Patent, Engineers report &c They can easily with such a legitimate scheme organize the Co., and sell the stock. The operation is one that deserves investigation.

450 days after work is started the tunnel will be cut through, the dam built and mining commenced. Edison, as pure as God, in seven years the Co. can clean up \$15,000,000. You know that hundreds of thousands are annually spent in uncovering or removing Mountains of non-aeriferous deposits that cover the channels of the old "dead rivers" - here is an old river uncovered and holding the accumulated gold of thousands of years.

The mountain the proposed tunnel will cut through, is honeycombed

3.

with shafts and drifts cut in the gold quartz veins that well up through it. How many millions are annually spent in "pinking" in the dark on quartz veins? Now, in the legitimate pursuance of our work, the driving of the tunnel, we will be quartz mining 12,000 feet from the surface. Who can tell what Bonanza will be cut through at this great depth by us - It is one of the grandest operations ever undertaken in mining and will give wealth, credit and renown to all connected with it.

I satisfied myself by interviewing Mr. Allstrom in Chicago that he is able to carry out the scheme there - that he is very anxious to control it I know.

I have no more to say - You can call a meeting at Mexico of the gentlemen I mention - who all agreed to go in on the other location, in fact authorized me to draw on them - if they agree to float the Co., let me know by telegraph and I will draw on them for their assessments (\$350. each) and commence the Dumbly.

I must know the decision by Sept 9. If you cannot answer by that date and want more time please telegraph me.

Yours

Frank Laughlin

Oroville, Cal Aug 25, 1880

Frank M. Laughlin

Big Bend matters

Refers returns to M. C. Sept 13, 00

Wheeling Aug. 31<sup>st</sup> 1880  
Edison Ore Milling Co  
Gentlemen

Some time  
since I bought one share of  
stock, <sup>in your Company</sup> at a pretty high figure  
yet I hold the same. I have  
no desire to part with it, but  
would like to know what ex-  
ports, if any, have been made  
to part the Company into ac-  
tive operation. I have heard  
nothing of the Company or its  
operations for several months  
would consider it a favor to  
receive some information on  
the subject. I am.

Yours Yc

Wm. H. Kearne

1318 Market St. Wheeling W. Va.

6  
Sacramento Cal 16  
Thos A Edison

Sept 16 1880  
4:55 PM.

Banker must be villainous he dont  
understand and wont take the trouble  
to find out what I am doing what he  
authorizes one day he evidently forgets  
or criticizes the next as for example  
Big Bend. All I am doing was talked  
over and understood before I left  
See today's telegram to him in your  
care. Big Bend taken by Chicago  
seven thousand five hundred  
dollars up as forfeit to commence  
work within one hundred days

Frank McLaughlin

7607  
209

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on conditions limiting its liability, which have been stated in its charter and in the following contracts. It is not responsible for the delay or non-receipt of messages sent to the sending station for transportation, and the Company will not hold itself liable for recovery of damages on delivery of telegrams under the conditions stated above.

The message is an **URGENT** message and is delivered by request of the sender, under the conditions stated above.

A. R. BREWER, Secy. 152 **NORVICH**, Conn. 1880

Dated Oroville Cal. 18  
Received at 178 Market St.,  
S. L. Griffin.

READ THE NOTICE AT THE TOP.

300r 36 Navyly Place  
Many thanks they can  
suspend + go to hell  
I believe in them to the  
extent of putting up  
sixty thousand myself  
Frank McLaughlin

22 Dr Frank  
Sp 7

Blank No. 1.

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The message is an **URGENT** message and is delivered by request of the sender, under the conditions stated above.

A. R. BREWER, Secy. 20 **NORVICH**, Conn. 1880

Dated Sacramento Cal 19  
Received at 178 Market St.,  
S. L. Griffin.

READ THE NOTICE AT THE TOP.

36 Navyly Place  
My telegram of last night  
should a bluff to prevent  
trouble at Oroville which  
might be occasioned by  
rumors of your last telegram.  
The stoppage of my drafts  
placed me in a dangerous  
position I have earman at  
Sacramento to prevent business  
getting known at Oroville  
but answer all messages  
from me to Oroville

Frank McLaughlin  
54 Dr Yast

1- Sacramento Cal 19. Sept 19 80

Thos A Edison  
Menlo Park N.J.

Suspension now means ruin our claims  
will be jumped the ditch seized by  
~~Messrs~~ Mechanics or other workers  
destroyed at the start it was under  
-stroke that seventy five to eighty thousand  
would be required for Cummins  
five thousand for right of way  
twenty five thousand for Bonded  
property with subsequent

Instructions regarding Ord property  
raised to twelve thousand and  
for mortgage to June say thirty  
three thousand now when I draw  
Eighty three thousand they talk  
of suspending which means  
forfeiture of all they have paid  
in I send this from Sacramento  
to avoid trouble here answer  
cautiously to Orville  
99 100 - Frank McLaughlin

207 Oroville Cal Sept 30/80

Chas Patchin  
Oroville Park N.J.

Draft of fiftieth drawn on  
Edison Oroville Park N.J.

Griff will explain trouble about  
former draft so that you may  
be able to fix matters all well

26 St. E. 3.15 pm J. M. Laughlin



From Chas Batchelor  
To Mr Garrison

---

T. A. EDISON,

Memo Park, N. J.,

1880.

Telegram

Oct 1<sup>st</sup> 1880

Oroville Cala 30<sup>th</sup> Sept

T. A. Edison

Wish to draw five  
hundred dollars on account of  
Ore Milling before I start  
East who shall I draw on  
knows

Frank McLaughlin

J. F. MAHONEY,

Formerly with MOLLER & CO.

CITY, COUNTY & STATE BONDS,  
No. 15 WALL STREET.

711  
SPECIALLY, ALL SECURITIES NOT DEALT IN ON THE NEW YORK STOCK EXCHANGE.

J. A. Edison Esq.

New York, Oct 20, 1880

Dear Sir

I am the young man  
who met you on Broadway the other  
afternoon and you told me if I could  
get a couple of Shares of Ore mining  
about Seventy Five you would  
take it looking around I found a  
party who has 3 Shares to sell  
at Eighty (\$80) a Share so if  
you would like to have them you  
will please send word to  
Charles H. Deacon at the above  
address and if not sold on receipt  
of your answer I can get them

Yours Resp<sup>ly</sup>

Charles H. Deacon

Secretary J. F. Mahoney, 15 Wall St.



Oroville Cal. Feb 10<sup>th</sup> 1860

Messrs James H. Barker & R. L. Cutting  
19 Willard St New York  
Gentlemen:

Pursuant to my last visit to New York Mr Cummings & myself most carefully investigated every foot of ditch and flume work both complete and under way as well as the condition of the flume and all things bearing upon the completion of the ditch and the opening of the claim. The result of this investigation assured me that the ditch would be finished and the claim opened by Nov 1<sup>st</sup> as I stated at our meeting of directors in New York on my return here I learned to my much bitter disappointment that this could not be done for the reasons stated in Mr Cummings letter which I enclose herewith. I have preferred that Mr Cummings himself should now state the reasons to the Company as I do not care to again assume the responsibility of fixing upon the precise time for finishing or stating the exact amount which will be

C17

required - I now respectfully ask  
that due attention be paid to Mr Cummings  
letter as it expresses not only his views  
but also the opinions of one of the most  
eminent Gentlemen in the State. Col. James  
C. Legaw the business partner of Gov. G. C.  
Perkins and an old resident of this place.  
I have been much disheartened with this  
condition of things so different from last  
assurances to the Company as to the date  
of opening the claim and the amount re-  
quired to complete the ditch. My figures  
to you for total cost of ditch were 90,700  
subsequent developments have raised this in  
my judgement to 98,000. Although Cummings  
thinks it will not be that much - Cummings  
is so much chagrined over the matter that  
he has authorized me to say that he will  
freely pay all that the ditch costs over  
and above the amount I stated in New  
York viz: 90,700. Provided the Company  
will allow him say from month to  
month the price of some of his stock  
among his friends. He has already drawn

\$87,000 that is to say we will require  
about \$43,000. instead of ~~\$73,000~~ \$34,000. I stated  
at our last meeting. This sum will  
complete the ditch, open the claim, pay  
for my good Patent Land to be purchased  
Telephonic line. Building &c &c. My former  
letters and statements have placed me in  
error as to my belief in the value of  
the Moccasin property and until such time  
as the mine is opened and everything mining  
when it will show itself to be the Druggie  
I have claimed it to be - I am dumb -  
No property <sup>of such value</sup> has ever been bought for twice  
the sum paid out on this. I have worked  
day and night since my return to keep my  
word with the Company but it has been a  
wasteful fight against nature and I have  
been taken to some extent although not  
defeated - Now looking at the situation  
with a mixture of a bitter disappointment  
to check our cold anticipations I yet  
believe we shall be doing good work in  
our claim before the 10th of December  
I have concluded not to build the buildings  
on the flat until spring. This will avoid  
the outlay of \$1600<sup>00</sup> - the estimate I gave

you. My figures I gave you for the  
Telephonic Mine were \$2500. but I have made  
a contract which will build and equip  
it in first class style for less than 2000  
It is now under way and will be finished  
by the time the ditch is finished. Very  
much to my surprise and gratification in  
fact to the surprise to all concerned we  
shall secure our patent on the ~~Telephonic~~  
~~Mine~~ ~~priority~~ with only one adverse claim  
and that one a claim which the Land Office  
at Marysville will not recognize. This  
gives us about 120 acres of rich mining  
land more than we in our work sanguine  
minerals anticipated - It will of course  
raise the estimate of cost of patent as  
stated to you but still with the increased  
amount of land it cannot exceed \$2000.  
On the 2<sup>d</sup> inst I drew on R. L. Cutting Jr  
for \$10,000.00 I paid over \$7,500.00  
to My Cummings & banked \$3,000.00 on  
account of the Mine Mining Co. I forward  
herewith Cash report and vouchers, Pay Roll etc  
showing the disbursements for the month  
of October we find it impossible to close



the Day Roll. Obtain receipts and close  
our monthly accounts much before the 10<sup>th</sup>  
of each month as our operations cover  
35 miles of territory. I propose if it  
meets your views to forward a semi-monthly  
and monthly statement or report of  
our operations when we finally commence  
business

Very Truly Yours

Copy.

F. W. L.

Nov

Nov. 24. 50

Maj Frank McLaughlin  
Coville Ala

Edison has put your  
stock on the free list  
It will not be assessed  
Chas Batchelor

14254

505  
500

Dec. 10<sup>th</sup>

Messrs James M. Rankin & J. L. Cutting Jr.  
19 William St New York.

Gentlemen:

In forwarding my report with statement of expenditures, vouchers etc. I am compelled, very reluctantly to speak again of delay and crave your patience while assuring you that we are nearing the end although proceeding at a very slow pace. - I have the satisfaction of assuring you that no effort has been, or will be spared to bring the matter to a close at the earliest moment possible. We are all working night and day against the elements to complete the two thousand feet of flume necessary to bring the water into the chain. As you are aware from my former letters, our tunnel comes from a high altitude in the Sierras through a V flume nearly 30 miles in length. Usually no considerable body of snow falls earlier than January and there is generally an increase of water during October and November. This year all these conditions are reversed - at the

date of my last letter we were praying  
for rain which finally came. Probably  
not in answer to our prayers however as  
it was fully six weeks later than usual.  
The rain was followed by a "cold snap"-  
snow and ice - an almost unprecedented  
combination of circumstances here in the  
early winter months. There came the most  
violent wind storm ever known here

over one mile of the Lumber Co  
flume. In this connection I have the pleas-  
ure of stating that not one foot of run  
four miles of flume was injured or even  
thrown out of line. This is a certificate  
that no other Lumber Company in this  
section can produce as to the quality  
of materials used in construction and  
the skill with which they have been put  
together - Cummings has used over a  
million feet of lumber already, and  
the delivery of the last 200,000 ft received  
has occasioned more delay from the cause  
stated than the delivery of all the rest.  
As from week we have only been able to  
obtain 40,000 ft. 250,000 ft week in yesterday

and the lumber men think the balance  
can be delivered in ten days if the present  
mild weather continues so long. The claim  
is all ready, with pipes laid chiefs in  
position. Flume and undercurrents finished  
reservoir completed, gates in place, in  
short our mine is equipped throughout  
in A. No. 1. shape and ready to give a good  
account of itself from the moment the  
water is turned on. Our Telephone line  
has been retarded considerably by the recent  
storm but the poles are set to within  
seven miles of this place. The wire is being  
stretched and a few days more of fair  
weather will see that work completed.  
The Miners and mine owners are unanimous  
in the opinion that our Telephone will pay  
for itself in a few months by the saving  
of labor, the prevention of breaks in the  
ditch and the possibility of concentrating  
our forces when and where needed in  
a few hours in case of emergency. I  
have devised a plan whereby our ditch  
tenders will report to the office every  
three hours from each station on the  
line, and as the mine of our Superintendent

My Harris as well as my own will have  
Telephone connections with the main line  
we shall always be able to know the exact  
condition of things day and night along  
the entire direct from the claim to the head  
claim. I need not speak out to you the  
advantages of this arrangement

Our application for patent for  
nearly 475 acres of land on Thompsons (the  
116 acres we purchased from Ord is  
patented) is well under way, although  
retarded by my not receiving the certified  
copy of articles of incorporation for  
which I have telegraphed and written  
several times. The articles officially sent  
to me by My Lord were those of the  
Butte County Mining Company and  
of course unless — as all of our business  
has been done here under the name of the  
"Miscell Mining Company" and all our  
deeds are recorded in that name.  
The Power of Attorney I hold is also  
made out in the name of the Miscell  
Mining Co. If the name of the Company  
had not been changed it should be —

attended to at once. I telegraphed this -  
in substance to Mr. R. L. Cutting JA and  
am anxiously awaiting the certified copy  
of articles of Incorporation of the Museum  
Mining Co or some document which shall  
show that the name has been changed as  
above stated. I have executed and  
placed on record a deed conveying all  
property held by me in trust to the Museum  
Mining Co and have directed the Patrick to  
cede to that company. You will be  
made a ware in a very short time that  
we possess a most valuable property  
covered by our Patrick. Much chagrin is  
felt here ~~among the~~ <sup>among the</sup> old residents  
because they did not "beat" the property  
we have secured - several of the parties  
have admitted to me that if they had  
supposed it would have been done without  
endless litigation - which they expected we  
would have - they would have gobbled it long  
ago. In a considerable portion of our success  
<sup>in this matter</sup> we can thank the influence brought to  
bear by Col. J. C. Pagan. He has managed  
to get through with but one adverse claimant  
and he was ruled out of court in the (57)

District Land Office at Marysville on a contract with me for a few acres. It is not likely he will appear in Washington and if he does we shall dispose of him as easily as we did at Marysville. I have succeeded in closing a negotiation on the 6th inst with parties who owned probably the best summer reservoir site in Butte County in point of location and cheapness with which it can be made available to hold 150 days (of 24 hours) run of water to be stored up against any possible emergency of drought or to sell to miners along the line of run ditch as you may see fit. He now control all the mining region contiguous to our line of 35 miles of ditch as well as in Shilbuck Valley - the new reservoir site - by owning all the available water rights. Sup't Harris regards this last requisition as one of the most valuable we have yet secured. His many years experience with the Spring Valley Co taught him the value of a large storage reservoir as a provision against every dry season - Mr Cummings had commenced negotiations for a reservoir site



in Crane Valley months before the David  
property was brought to your notice  
and although he made an effort to conduct  
his negotiations in the deepest secrecy it  
leaked out and now the price of the prop-  
erty is made \$10,000. for as one of the owners  
told me "I never got to buy it." But I de-  
termined to beat these Hackwailers, and  
while we kept up the excitement about  
Crane Valley we quietly explored the neigh-  
boring regions and found Philbrook Valley  
to be more desirable to us for a reservoir  
site - I have bought out every interest  
there and we own the entire valley at a  
cost of about \$1050. under a clean title.  
We can use it at any time in the future  
and often we shall have made a few "clean  
ups." I know that you will endorse my  
policy of expediting our power, which can  
be done by building a dam at the neck of  
Philbrook Valley and so turning it into a  
reservoir which will give us water to  
mine at those distinct places as well as  
we can at two as now contemplated -  
I have frequently assured you that my  
ditch would be the controlling power in  
[23]

in this region, and I can truthfully state  
that it is so now. Even the Hendricks people  
whose ditch and improvements cost over  
\$400,000. have come into the fold and ac-  
knowledge that we have taken them in  
the case for Thompsons Place. They fought us  
in every way to prevent our coming through  
Morris Ravine. even to the extent of  
attempting to mine out our ditch where  
it crossed their claim - they now propose  
a treaty of amity to which of course I shall  
give due consideration - In fact we are in  
a most delightful condition of peace with  
all the world out here, the lawsuits men  
none threatened - with the single exception  
of the Slaughter House People  
I have mentioned and they can do us no  
harm beyond a slight delay in issuing my  
patent. But as they have been ruled out  
of Court in the District Land Office I don't  
think they will incur further expense. They  
have settled fair and square with everybody -  
and consequently have the good will of all -  
This is a contract with all other companies here  
as is shown at every term of Court

The Spring Valley Co. the Hendricks Co. the  
Bauer and others all king on hand with  
numerous law suits and paying more for legal  
services than we have for our land

I am more confident than ever with each  
days investigation and each days additional  
knowledge that we have the best mine and  
the best equipped mine & ditch in the State  
of California, all that is needed is patience  
for a few weeks longer to see that my  
written opinions are followed by golden rule.

The original proposition made to you was,  
that the ditch should cost you \$75,000 to \$80,000

Day	\$ 8,000
Right of way was allowed \$ .250 per mile. by	\$ 5,000
Mortgage and interest	by 31,400
Cummings Salary (allowed by My Banker)	\$ 6,000
	\$ 120,000-

It is now proposed by Ch. Logan, My Cummings  
and myself (owning a majority of the stock held  
here) that all money paid over and above  
this \$120,000 up to the time of starting  
the mine shall be paid back to you in  
the following manner. Let 50% of the Net  
proceeds of the mine be used to pay dividends  
and let 50% be used to pay off the — (9)

indebtedness over and above the said \$120,000  
This error would free the property from all  
incumbrance in a few months, and none of  
the other stockholders could consider them-  
selves "squeezed" by the others. I hope this  
proposition will be acted upon as soon as  
practicable - The ditch is so nearly completed  
that the gentlemen are anxious to know  
about their stock and when they may expect  
to receive it. My Cummings is very anxious  
to have me receive a call for fifteen hundred  
shares of his stock which he wished to  
hypothecate the Bank here to borrow some  
money to pay some debts which annoy him  
I telegraphed you for instructions about  
it nearly two weeks ago but up to this  
time I have received no answer.

In concluding I would respectfully ask  
that immediate action be taken on the propo-  
sition I have submitted regarding the repay-  
ment of money advanced over the original  
estimate - I would also respectfully urge  
that a committee be appointed to enquire into  
and investigate all matters I have referred  
to. Seeing is believing. - If you will only

come and see for yourselves or through the  
eyes of a committee I will ask for no other  
indorsement of my acts or views than such  
a committee will recommend.

Mr Cummings considers his books  
and accounts as belonging to the Company—  
subject to any examination desired by the  
Company. Should the committee, for which  
I have asked come out he will expect them  
to make an examination of his books, papers  
and accounts as I would invite them to do

I am Gentlemen

Yours Truly

J. M. G.

Copy.

PRESIDENT:  
Geo. F. Hunt.  
VICE-PRESIDENT:  
Geo. F. Hunt.  
TREASURER:  
John E. Collins, Jr.



DISTRICT VICE-PRES:  
Geo. F. Hunt.  
SUPERINTENDENT:  
James J. Hunt.

New York Office,  
No. 12 William Street,  
near Wall.

Oswello, Cal Dec. 16<sup>th</sup>.

1880

My dear Edison,

I'm like the boy who shot the bird - I've not a word to say in my defence on not finishing the Miocene ditch by Nov. 1. I enclose you copy of my Reports to Banister Cutting. Do try and spare time to wade through them. The pathetic wording may prove to you that it is no fault of mine. I figuratively club myself daily for not taking your advice, if I had I would not have made such positive promises about opening by Nov. 1<sup>st</sup>. It is the only time that you gave me advice that I did not follow it and if I do it again I hope I may be fed through a keyhole with a quill for the balance of my miserable life.

There are two facts that comfort me - First, that we have the best mine and ditch in California and secondly, that no man could do more to keep his word than I did. When I came back in Oct. from my last visit to New York I pulled down the scales at 197 lb. Now, with the aid of an overcoat and profound faith I kick the beam at 184 lb. Alas for the prize bag - The best adipose tissue is scattered along the line of the Miocene Canal.

I won't go into glowing accounts about the sure success that must follow

the advent of our water into the claim. You know, Edison, I could not lie to you after all you have done for me - and if the Miocene does not prove to be the Bonanza I have sworn it to be then I am the most ungrateful son of a bitch of modern times. I can't plead ignorance - if it is not all I claim it to be I have deliberately swindled you and your friends. About the friends I'm free to say I don't care much. but they are your friends and treachery to them would be treachery to you and if I'm guilty of that then Justice Sparriot is born again - and I'll win big his pardon. Have patience and I'll prove that your trust in me is founded on bed rock.

You will see (if you read my reports which I had copied so that it would be plainer than letter press copy.) what an A.N.T. prize our telephone line is - in fact as all matters of interest respecting Miocene are fully gone into in those brilliant documents I'll drop Miocene and refer <sup>you</sup> to them.

With the advent of the Mining season the tailing boom commenced and I have fattened it into as glowing a flame as it ever was.

I have had continual tailing charges to drive off of our Ore Milling grounds and I can proudly brag that I have beaten them all. The Fancher-Blair Concentrator people (whom, between our August selves had a "big thing,") have folded their grip sacker and lit out for Hell or Arizona. I worked on Jack Powers so that he refused to contract with them. Then came a Mr. Vandermann, a regular dead beat. he had some words about the matter

with me and commenced to quote some poisonous newspaper article about you. I dropped him and he dropped the subject. He left the next day for fresh fields and pastures new. Now comes a Mr. Ross, a friend of Cummings, and he is going to turn every thing into gold. Cummings tells me that Ross is a homeless old gentleman whom he in the goodness of his heart is helping to make a living. as I know Mr. C. I also know that if he could make money over his best friends (and as you lifted him from poverty to comparative affluence he should so regard you - but "Put a beggar on horseback, etc.") he would do it and if there is anything in the Ross racket he will do his level best to help Ross along even if it injured us. But as Cummings is cordially disliked all through the County and dare not offend me I will soon settle the hash of the Cummings - Ross Ore Milling Co., Of course Cummings pretends to me that he believes Ross to be a simple visionary but I know he puts up the Ducats for Mr. S. Visionary and his not the kind of Rooster to do that for love or money - charity. In fact a luxurious curl is feasible in this Gentlemans ambrosial looks - May God pity him if I ever have to clutch them. I would only write to you about him and therefore beg you to treat this letter as very confidential.

Jack Powers (whos tailings from his visit to you are looked upon as the Bonanza,) is the whitest man that adorns this football. he told Ross that he could work on his tailings for a time but that he'd see him in Hell or



put him there before he'd interfere with Edwino's Contract. Hendricks and the Big Bear take the same ground and so does Waldyer of Spring Valley. The S.V. Co. have just made a "Clean up" (\$76,000) and next week I will ship you a bag of tailings. Of the kind I will ship we can count on a thousand tons a month if you will invent suitable devices for saving them which I know you can do once you are on the ground. When you come out here I truly believe that you will open up such a field of wealth that the telephone will be a 10¢ side show to it. I'm not exaggerating - any man who sees the vast amounts of tailings laying around the mines of this County and knows that they represent the workings of gravel in days when the hardy Galoot carried his luck and his eyes if he couldn't rock his ounce a day and now sees thousands of Chinese and a few whites making a living by working and reworking these very tailings in some primitive manner, can't doubt but that the day will come when science will take this Contract in hand and pay its followers with riches untold. Again I believe that the S. Valley dump (owned by the E.O. Milling Co.) contains more money than will be taken from the mine itself for the next five years and I also believe that a simple feat of engineering will lift and re-trieve these dump tailings and take out \$2,000,000. Anyway I am a gilt edged Ecstasy in Butte County and no one can misuse the ground mine taken till you have tried it and abandoned it. Hard to the foot of my silver clarion, Old man.

I have written Batch fully about our Mine, Big Bend, and Table Mt matters. he will tell you all about it when you have time to listen. In Big Bend I believe I am able to in part repay your kindness and generosity to me. You can't doubt but "Big Bend" is all that is claimed for it.

The Boston Company who started in on their ditch some four months before we did have backed out. We haven't or won't. You may remember a prig named "Reynolds, of Boston," a shining light of this Company. He called on you at Menlo about working their tailings when they started up. He sent a letter requesting to enter into the contract we prepared for the Ore Milling big without your attacks about a dozen "ellechured" clauses which you refused to do. All this happened last January. He also thinks "this Edition tailing business is a fraud," and so told Col. Logan, when, greatly to his surprise, that urbane gentleman told him he was a God damn fool. Logan is all powerful here so Mr. Reynolds of "Boston" drew in his horns like a ewe and admitted he was mistaken. He goes East Monday, if he ever calls on you again and is provided with a clean bill of health invite him to kiss your one and when he comes back here I'll kick him for not doing it.

I told Logan I was about to send you a Mangonite stick for New Years so he insisted on sending it in shape. I know you don't care a damn for such things but he was so anxious that I gave in. Then Cummings insisted on being allowed to chip in and the result is that by New Years

6.

you will receive a cane that would turn a Parish headle green with envy.

By the way, Old Man, why don't you send Joe Hendly a note about the pipe he sent you by me. Joe would feel bad if he thought you inquired him but I've lied charmingly and numerously about the matter so "all goes well".

Now for business again. The Ore Milling Co, over the Right Rev<sup>d</sup> & M<sup>r</sup> Laughlin, Asst, \$250. salary for the month of Nov. Now as December will be over before you receive this letter I will draw on you for \$500. to cover that month also. Or better still (now pin your ears back,) I'll draw on you for \$1000. being \$500 for the Months of Nov. and Dec. on which the salary is due and \$500. to cover January and Feb. prospecting. It will be placed in Bank here and of course only drawn when it is due me. By doing this the fellows in the Bank here won't know anything of my private business - which they naturally will if I draw on you monthly. I trust you know that if I could live here without the Ore Milling salary I would do it but I can't - when the Mine is opened and the first dividend declared if I can live on my share of it you'll never hear the word "salary" from me again. Anyway when the 1<sup>st</sup> mile of Big Bend tunnel is out I'll be worth \$50,000. Gum gum. If its agreeable to you I'll draw on you for a \$1000. on Dec. 28<sup>th</sup> if not telegraph me and I'll await your advice. Please don't delay if you do telegraph me.

(over.)

With best wishes to you and yours and wishing you all a  
Merry Christmas & Happy New Year

I am,

Frank J. Laughlin

NOV 10 1934  
U.S. DEPARTMENT OF JUSTICE

John W. Foster.  
Governor of New York.  
Geo. Walter Stone.  
Chief Justice State.  
Geo. S. Hamilton.  
Wm. L. Foster.

*Porter, Lowrey, Loren & Howe.*  
*Attorneys & Counsellors at Law.*  
*No. 23 Broad St. New York.*

P. O. Box 1836.

Dec. 20th, 1880. 18'

To Board of Directors of Edison  
Ore Milling Company, Limited.

Gentlemen:---

I hereby resign my office as director of your company, and beg that I may be notified of the receipt of this, and of the acceptance of my resignation by your Board, forthwith.

Respectfully,



Stockton L. Griffin,

Secretary of Edison

Ore Milling Company, Limited.

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

The Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been approved by the Senate of the United States.  
Messages in foreign places may be subject to transmission in the country visited by correspondents, and the Company will not be held responsible for messages sent to correspondents of foreign countries.  
Messages sent to FOREIGN PLACES are not to be delivered by repeated deliveries, unless the conditions permit such.

A. B. BREWER, Secy

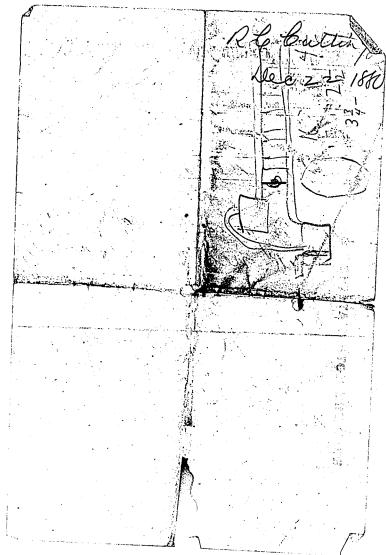
NORVIN GREEN, President.

Date: New York Dec 11 1879

Received at Mr. R. C. Edison  
mens. desk

READ THE NOTICE AT THE TOP.  
McLaughlin telegraphs today  
back messages were delayed  
morning interference  
bad  
R. S. Cutting Jr.  
paid  
R. S.





John K. Porter.  
Gerritson P. Lowrey.  
Geo. Wales Saxon.  
Thos. Hunt's Son.  
Geo. S. Handlin.  
Wm. L. Porter.

P. O. Box 1836.

Porter, Lowrey, Saxon & Hunt.  
Attorneys & Counsellors at Law.  
No. 3 Broad St. New York.

Apr 23 1876.

Mr Pillsbury Co.

Dear Mr Griffin. Mr Egan said the  
other day that there were certain  
patents which were to be assigned to  
this company. Let me have them  
as soon as you can. If there are  
inventions not yet patented, send  
me a description of them. Mr Serrell  
says Mr. Hubert is attending to them

Yours  
J. S. Saxon



P. F. MACDONALD

P. F. MACDONALD

MACDONALD BROS.  
COMMISSION MERCHANTS,

—FOR THE SALE OF—  
LUMBER, COAL, RAILROAD TIES and WOOD,  
No. 106 WALNUT STREET.

and *Geo. W. Mendenhall*  
Philadelphia, *Sept 27* 1880

*Dear Sir,*  
The Edison Co. makes  
Mentor, N.Y.

*Edison  
W. West  
to the  
Mendenhall  
Mendenhall*

Several months ago I was induced to purchase some of the "Edison's Milling on stock" of late I have not been able to find out anything about it whether the company was in existence or if the process had been given up, and thinking that if I inquired at the fountain head I might receive some information about it I took the liberty of trespassing upon your valuable time. Trusting that I may derive some knowledge of the fact from you for which I will be exceedingly

By order of the  
James H. McAdams  
J. H. McAdams

The Ore Milling Co is alive and  
a small portion only of  
~~richness~~ the money in the treasury  
of the Co is being used here to  
conduct experiments in perfecting  
means & methods of working low

P. J. MacDonnell  
Dec 21/80  
Ore Milling  
Co

grade ores of different varieties  
I process has been completed and  
two of the three processes have been  
nearly so. Patents have been taken  
out on them, when I have made  
a commercial introduction of  
the Electric Light <sup>part of</sup> I shall then  
have time to place the Milling  
Co in a position for doing a lucrative  
Milling business with the processes which  
I have

Yours truly,  
J. H. McAdams

J. H. M.

2 - M.A. 12/29/80

7 MacLaughlin

Oroville

California

~~you~~ you may

draw for one thousand

7 a 2

W.M.

Jr. P.K.

9,30

Red 2, Orville California 30 Dec.

Prof Thos. A. Edison

Weather fair completion ditch progressing rapidly floated through eighty thousand feet flum lumber to day cant get those New York roosters to answer my ~~sum~~ numerous letters and telegrams asking for copy of miscene articles of incorporation the issuing of our land patent delayed for my want of said copy please stop cutting up draw on you to day

one thousand Dollars many  
banks receipt by mail

Frank McLaughlin

64 paid  $\frac{1}{2}$  rate

C-2 9:30 am

J.U.

McLaughlin  
page 307  
1878

W. Amos

T. A. EDISON,

Menlo Park, N. J., \_\_\_\_\_ 1880.

Gas Banker  
Irvington  
N. J.

Come to Menlo Monday  
Eleven train Lewis and  
McLaughlin uneasy says he  
ought to go to orville at  
once answer

Edison  
R

**THE WESTERN UNION TELEGRAPH COMPANY.**

The Company TRANSMITS and DELIVERS messages only on conditions, limiting its liability, which have been inserted in its articles of the following tenor:

THE COMPANY WILL NOT BE HELD LIABLE FOR ERRORS OR DELAYS IN TRANSMISSION OR DELIVERY OF MESSAGES.

A. H. BREWER, Secy. *H* NORVIN GREEN, President.

Dated Boston 18 1880

Received at  
of Geo A Edison

*Meriden Conn  
N.Y.*

READ THE NOTICE AT THE TOP.

*Will attend this  
meeting Monday  
Outings New York*

*Charles P Lewis*

*7 Paid K  
X 2000*

**THE WESTERN UNION TELEGRAPH & TELEPHONE COMPANY**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which has been accepted by the sender of the following message.

It is to be understood that the sender of this message, in sending the same, is not responsible for any delay in its transmission or for any error in its delivery or for any loss of the message.

The message is an UNRECORDED MESSAGE and is delivered by request of the sender, under the conditions stated herein.

A. H. BREWER, Secy.

NORVIN GREEN, President.

Date Orville Cal 15 188 0

Received at St. Louis & Edison

READ THE NOTICE AT THE TOP  
I have made one draft  
on you for four hund  
red - Batch can settle  
with you, Let me know  
if Banker wishes me  
to investigate the Cohen  
pities from this is  
important affairs  
all O.K.

Frank McLaughlin  
3/15/88  
Jm



**THE WESTERN UNION TELEGRAPH COMPANY.**

The Company TRANSMITS AND DELIVERS messages only on condition, limiting its liability, which have been accepted in by the sender of the communication.

Messages are accepted subject only to receiving a message back to the sending station by return mail, and the Company will not hold itself liable for errors or delays in transmission or delivery of telegraphed messages.

The message is PAID UNLESS OTHERWISE NOTED. It is delivered by request of the sender, under the conditions stated above.

A. R. BREWSTER, Secy., *W* MORVIN GREEN, President.

Date: Orville Cal 21 1880

Received at  
Prof A Edison

READ THE NOTICE AT THE TOP.  
Has McLaughlin started  
who comes along have  
drawn five thousand on  
cutting griffin notify him  
dated Excavation finished  
blocks

G. W. Cummings

21 Oct 24 142 pm  
Jc

No 2 Cincinnati 17

Thomas A Edison

Menlo Park

N.J.

shall return from  
Ohio first of next  
week will meet  
McLaughlin and  
officers of miocene

Charles H Lewis

15 paid  $\frac{cc}{x}$  6 + 10 pm

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which shall be deemed to be the condition of all telegrams received.

Errors can be corrected only by stopping a message back to the sending station for comparison, and the Company will not be held liable for errors in transmission or delivery of messages.

THE MESSAGE IS AN UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. H. BROWN, Secy. 4 NORVIN GREEN, President.

Dated New York 20 1880

Received at NY

To Edison

N.Y.

READ THE NOTICE AT THE TOP.

I received msg from  
you this morning reading  
"Send said immediately"  
What does it mean &  
refer to "

Clarina Cary

18<sup>th</sup> 84  
4 140pm

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS all **DEFERRED** messages only on condition, limiting its liability, that the same be received by the addressee at the time of the expiration of the message.

This message is an **UNDEFERRED MESSAGE** and is delivered by request of the sender, under the conditions stated above.

A. R. BREWER, Sec'y. *101* NORVIN GREEN, President.

Dated *New York 20* 188

Received at  
*Edison*

READ THE NOTICE AT THE TOP.

*What particulars  
said and how big  
a load is wanted  
will be happy to  
attend to it but don't  
understand exactly what  
pay must is referred to*

*Clarence Cary*

*26 Dec 11 am  
You write me a letter  
saying you had some  
uniforms send for me -*



THE WESTERN UNION TELEGRAPH COMPANY

THE WESTERN UNION TELEGRAPH COMPANY  
INCORPORATED IN THE UNITED STATES OF AMERICA  
OFFICE OF THE GENERAL MANAGER  
NEW YORK, N. Y.

.....  
.....  
.....

*It is another Colman's bag  
of new business*

*W. U.*

SEND THE MONEY TO THE

**WESTERN UNION TELEGRAPH COMPANY.**

The Company TRANSMITS and RECEIVES messages only on conditions, limiting its liability, which may be obtained in the office of the nearest manager, in the writing section for application, and the Company will not hold itself liable for errors or delays in transmission or delivery of telegraphed messages.

THE MESSAGE IS AN UNREPEATED MESSAGE and is delivered by request of the sender, under the conditions stated above.

A. N. SENEWEN, Secy. *M* NORVEN GREEN, President.

Dated *Broville Cala 14* 188 *0*

Received at *J L Griffin*

*Meuls Parky*

READ THE NOTICE AT THE TOP.

*Your telegram of seventh and eighth only now received having been away ten days in the mountains prospecting of uranium has arranged matters. Many thanks for letters will send report you suggest write you tomorrow all*

*o.k. Frank McLaughlin*

*38 H Gu*

*723*

*15*

ARTICLE 1111  
**THE WESTERN UNION TELEGRAPH COMPANY.**

The Company TRANSMITS and RECEIVES messages only on conditions limiting its liability, which conditions are set forth in the schedule of its published rates.

It shall be the duty of the sender of a message to pay the full amount of the charges for the message, and the Company will not be bound to deliver a message unless the sender has paid the full amount of the charges.

The message is to be UNREPEATED, UNLESS otherwise directed by the sender, under the conditions stated above.

A. H. BROWNELL, Sec'y. NORVIN GREEN, President.

Dated New York 30 1886

Received of W. P. Duckla  
to W. P. Duckla

READ THE NOTICE AT THE TOP.  
When will major  
McLaughlin be in the  
City  
W. P. Duckla (?)  
Spaid House 1207



(Sept?)

This agreement made and entered into this            day of  
A.D. 1880 by the between the "Morris Ravine  
Mining Company" a corporation organized under the laws  
of the State of Indiana, party of the first part; the  
"Miocene Mining Company" a corporation organized  
under the laws of the State of New York party of the  
second part and E. P. Warren of the City and  
County of San Francisco and State of California  
the party of the third part:

Witnesseth: That Whereas the party  
of the first part is the owner in fee of about  
One hundred acres of land with the tenements  
and appurtenances thereto belonging situate immediately  
west of Morris Ravine and in Section thirty  
two (32) township twenty (20) North Range four  
(4) East, Mount Diablo Base Meridian, all  
in Butte County, State of California: said  
land now being used as a hydraulic mining  
claim:

And whereas the party of the second part  
is the owner of a certain ditch or canal and  
the water right connected therewith situate  
in said Butte County and heretofore owned  
by the "76 Mining Company" and known as  
the "Davis Ditch" which said ditch taps the  
waters of the West Branch of Feather River  
at a point thereon nearly opposite of the  
village of Logtown where the head dam of  
said ditch is now situate.

And whereas the party of the second part is desirous of extending said ditch further down for the purpose of conveying said water through said ditch for mining and other useful purposes: and the party of the first part is willing to grant the right of way and other privileges for that purpose as herein provided:

Now therefore in consideration of the premises and of one dollar to each of the parties hereto paid by the other respectively and the receipt whereof they severally acknowledge the said parties agree with each other as follows:

First: The party of the first part has granted and conveyed and does hereby grant and convey to the party of the second part its successors and assigns a right of way for the said ditch its proper fixtures and equipments and for the carriage of water thereby on and across its said land and also at all times the right to maintain, repair, re-construct and use said ditch along said right of way: and by its agents and servants with necessary workmen and material to enter upon, pass over and occupy said land so far as may be required for the necessary inspection, repair, reconstruction or maintenance of said ditch or the enjoyment of the use thereof: said ditch where it crosses

said land to be six feet wide at the bottom and nine feet wide at the top thereof and three feet <sup>in depth</sup> ~~in depth~~.

Second: It is understood and agreed that said right of way and the maintenance and use of said ditch hereby granted shall not be had or enjoyed by the party of the second part any longer than the same can be had or enjoyed consistently with the use of said land by the party of the first part for mining or other useful working thereof for its own benefit.

And the party of the second part covenants and agrees:

(1) That said ditch shall be so constructed maintained and used as not to do any damage in any manner to the land of the party of the first part or to any of the ditches or other property thereon by overflow or washing away or to prevent hinder or delay such mining or other useful working thereof as aforesaid and that if the party of the second part shall be liable for and will pay to the party of the first part forthwith all damages that shall be sustained by it from any overflow or washing away of said ditch or from any other cause due to any negligence of the party of the second part in respect to the construction maintenance and care or use of said ditch.

(2) That whenever it shall become necessary

4.

in order to enable the party of the first part to mine or work any part of its said land to remove said ditch or any part thereof from its then location or altogether from the said land then and in such case the party of the second part will remove said ditch or such part thereof as may be necessary accordingly, and at or before the expiration of          days after notice from the party of the first part so to do; and in default thereof shall be liable to and will pay forthwith to the party of the first part all damages that may be sustained by it on account of such default;

Third: The parties of the first and second parts agree that whatever differences shall arise between them as to the construction of this agreement or as to the rights of either party under it, or as to the amount of damages to be paid under the provisions hereof shall be referred by them to three arbitrators one to be chosen by each of the said parties and the third by the two so chosen and the decision and award of any two of these three arbitrators shall be final and binding upon both parties and shall be performed by the party charged by said award according to the terms thereof and without any delay; and on the default of such party to perform such award for          days the party in whose favor it is given may as upon

527

the consent of the other party, which is hereby given by each for that purpose enter and docket a judgment in the proper office and book of the highest Court of jurisdiction in Butte County or in any other County where lands or other property of the party of the second part may be and such judgment may be enforced by execution and all other remedies provided by law for the enforcement of money judgments and without appeal or stay by the party, charged by said judgment all right and benefit whereof are hereby released by the respective parties.

Fourth: If the ditch of the party of the second part shall be removed under the provisions of this agreement, or otherwise removed or washed away either the party of the first part or in any other way the party of the second part shall have the right to carry water as contemplated to be carried by said ditch across the land of the party of the first part by means of pipes flumes or such other means as the party of the second part shall elect to use but this shall be done so as not to interfere with the mining or other useful working of said land for its own benefit by said party of the first part.

Fifth: The party of the third part vests by virtue of a bond of said property or contract of sale thereof of the party of the first part made

by it to and in favor of the party of the third part joins with the party of the first part herein and grants and confirms to the party of the second part the same right of way and other rights and privileges hereby granted.

Sixth: The agreements and covenants of the several parties hereto shall bind and enure to the benefit respectively of the several parties and of their respective successors and assigns and personal representatives and assigns.

In witness whereof the several parties hereto of the first and second parts have set their seals and caused their corporate names to be subscribed by the hands of their proper officers thereto duly authorized and the party of the third part has hereto set his hand and seal the day and year first above written

1880. Mining - Mines and Ores (D-80-034)

This folder contains correspondence relating to the mining and assaying of gold and other ores. After abandoning his interest in platinum in 1880, Edison attempted to use his ore separation inventions to recover gold from tailings. He also continued to correspond with numerous individuals who were interested in, or knowledgeable about, mines.

Approximately 30 percent of the documents have been filmed. Correspondence from individuals associated with Edison, letters containing significant marginalia, and letters that are parts of important chains of correspondence have been filmed. Correspondence with routine marginalia or with no marginalia has not been filmed. Included in the category of routine marginalia are acknowledgments of the receipt of ores, inquiries regarding lost or unmarked shipments of ores, requests to send ores for assay, and notes about the results of assays (primarily in the hand of Edison's chemist, Alfred Hald).

at For Return  
to  
usually All production  
Wed July 1880

Brookfield Pacific Co

Washington Territory

Mr. Edson  
New York

Write say that we have  
opportunity on Oregon  
lands and would like  
to see them if you  
my dear Mr. Edson  
I will be glad to see  
you and perhaps

are for introduction on your valuable  
times that as I have heard you  
were kind enough to forward us  
specimens of the Ptarmigan & some  
few of the Quail on this coast  
I thought it would not be asking  
too much if you could stop  
one day. I have an interest in a  
Gold Mine that the Black Stone  
is rich by the Song in digging up  
pay in Gold about \$2.00 per day  
to the head in our primitive way  
of working it. Provided I should  
lead you a small quantity from  
it be convenient for you to give





THOMPSON H. COOKE.

THOS. S. ARTHUR, JR.

COOKE & ARTHUR,  
ATTORNEYS AT LAW,

Wilmington, S. C., Jan 7 1880

Dear Sir, Mill Tailings

I have a large interest in an old gold mine. There is on hand a large quantity of tailings that have only been worked over once by amalgamation. I understand that you have invented a process for extracting the gold from tailings. Will you give me some idea of the plan also what it will cost for fixtures. Is your megaphone ready for use yet, as I am interested in procuring one

Very Respectfully

T. S. Arthur, Jr.

P.S. I sent 150 lbs of the tailings freight free paid to Prof Eglston of N. Y. I enclose to you a letter that I received from him showing that he is very indifferent about

the matter, and in fact I do not wish him to have any thing to do with the matter. I know from a practical test that the tailings contain a considerable amount of gold. Now I propose to turn the box over to you & enclose an order for the same, the reach N.Y. & the Old Dominion Steam Ship line. You might present the bill of lading to them & if they have delivered to Prof. Egliston you might present the order to him.

I propose to give them to you to experiment on with your new process, with the hope that you will report to me the result.  
T. S. A.

Know the Man well - he is an enthusiast - is considered  
"going off" by North Carolinians. Think him N. C.

W. E. Hedder

Greenfield  
Jan 7 99  
T. S. Arthur  
N. C.

REGISTERED MAIL  
COOKE & WELCH

Prof. Egliston

Please deliver to Mr. Edison a box of gold ore & oblige yours truly  
Jan 8<sup>th</sup> 79  
T. S. Arthur Jr.

(Jan 7)

one Sherbrooke NS Jan 12<sup>th</sup> 1880

S. D. Macdonald  
at Melb 2/40

Sherbrooke <sup>Col. Hill</sup>  
Nova Scotia  
Jan 12<sup>th</sup> 1880

Mr. Edison Esq.

Dear Sir

As briefly  
as possible I would ask  
when your invention for extraction  
of Gold from tailings will be  
available and its nature  
& cost. Our mines here have  
been worked since 1861 and our  
mills as elsewhere have been  
very defective as gold can be  
gained from tailings from any  
of our crushers.

We have about 10 crushers at  
work. Yield for 1879 per cost  
Returns 7369 lbs and since  
first mining till now  
100342 lbs. Will be happy

To afford you any information  
in my power and forward  
you tailings should you wish  
it for inspection

An answer will be promptly  
received by  
Yours obt Servt

J. Macdonald

Herb. Dept.

Dept. of Geology

Offering

Hon. J. Macdonald, M.L.C. Halifax

C. J. Macdonald, R.O. Dupont

Send me ~~5~~  
4 lb of tailings unpanned  
Have you any glass  
deposits up there

My 1-15-1889

Dear Mr. Brown:

The enclosed clipping has been sent to me by Mr. Edward Mc Dowell from Boulder, Colorado. Referring to it he asks whether there is any chance to get the agency or contract of some Territory in Colorado, & whether, if there is a chance, I can arrange it for him with you.

Mr. Mc Dowell is a ~~well known~~ gentleman & I know well ~~of~~ those families I know well. They are among the oldest & wealthiest families of this Empire. I have not made a specialty of placing Southern men in Southern positions, <sup>not</sup> as a general thing! but from my personal knowledge of Mr. Mc Dowell I take my pleasure in commending him to you. He is well provided with uncounted treasures. He & all his family both sides - his wife & this one - are people who have & always have been - are absolutely irreproachable characters for integrity. They have large lands,

Editor's Publishing Process

(Book this issue.)

An Assailing Certificate was received at this office a few days ago, saying that Prof. Edison had discovered a process by which the debris, or waste-savings—waste heretofore not used by treated so as to extract the gold from them, leaving to the rest that they were so largely impregnated with bene material—can now be treated successfully.

Mr. John Rowland, who has been in the Hills during the past two or three weeks, starts for New York city to-morrow morning. During Mr. Rowland's visit to the east last fall he met Prof. Edison by special invitation, and spent considerable time with him upon different questions touching the matter of introducing the new process, of sending every particle of gold from the sand and mill tailings, into this section.

Just before Mr. Rowland's departure for the West he received a note from Professor Edison, and held a long consultation with him, in the presence of at least twenty distinguished callers, who were refused admission during the conference. The Professor was very enthusiastic over his new discovery, and assured Mr. Rowland that if the debris contained but one dollar to the ton, immense fortunes could be made by his discovery.

The process was thus demonstrated to Mr. Rowland by the discoverer. A quantity of fine gold dust was mixed with a lot of sand and gravel, and upon passing through the sluice box, every particle was recovered. The object of Mr. Rowland's present visit to the Hills is to ascertain the average quantity of gold remaining in the mill races and water-courses, in our gulches, and to find out whether they contain at least \$2.75 to the ton.

This new process is inexpensive, and can be worked with ordinary sluice boxes by using the chemical discovered by Edison. It is as simple as the old method of washing. The new process consists entirely in the use of the chemicals.

Mr. Rowland has secured a location in the Redwood and Whiteoak gulches, and intends to have the new process in operation early in the spring, and if he proves successful—as he has no doubt, it will—a company will be formed here, and the boxes introduced by all of the worked-out placer localities.

This enterprise promises to revive the slinking industry of the Hills, and give work to a large number of men for years to come, and make gold dust more plentiful than it was during the years 1870 and 1877.

Mr. Rowland's visit to New York is solely on this business, and he expects to be back here in a month or so.

NY 1-15-1899

enclosed clipping has been sent to me by  
Dorwell from Boulder, Colorado. Referring  
whether there is any chance to get the agency  
over Territory in Colorado, & whether if there  
are arrange it for him with you.  
Mr. McDowell is a Southern gentleman  
of whose family I know well. They are among  
the noblest families of America. I have  
especially a pleasing Southern man  
Southern with families, as a general thing! but from my  
personal knowledge of the Mr. McDowell, I take very  
pleasure in commending him to you. I would wish  
with unreserved testimony. He & his family  
with Mr. McDowell - his wife & children - are people who bear  
& always have borne are absolutely irreproachable  
character for integrity. They have large landed

and of course standards, before the war that  
program was valuable, stages states that  
McDonnell was educated in England, I think at  
Oxford or Cambridge - stating a highly intelligent  
gentleman. He has been in business in  
Texas; but he saw that the Smith was doing  
at least a very slow program for cars to come  
to want to (already). He has been there  
a year, I think.

Mr. McDonald says he got he fully  
satisfied of the get the counties of Boulder  
Gulfair & Clear Creek. He says he was the  
willing to pay you "25 p. cent of the gross  
receipts from sales &c."

"What I can make it pay," he adds, "I  
have no doubt providing of course that it is done  
a success. I understand a good deal about  
ores, their treatment, &c. & am very well up  
in analyzing."

I believe this statement, & that



not take the statement of the average territorial  
citizen - as they would have - but as a very  
modest approximation, under stated, of the fact  
of how I shall have no personal  
interest in this matter. I urge Mr. McDaniel  
appointed for the reason - because I believe him  
competent to do you justice by every one making  
the most of what you intend to him to be  
double honesty in justice what you expect.  
I request however for justice in each  
of these to justice of his justice justice  
I have because how justice justice  
of justice of my life

Very truly yours  
James R. [unclear]

THE FULLER ELECTRICAL COMPANY,  
Office No. 20 Nassau Street,  
Rooms Nos. 5 and 6.

Dr. Thos. A. Edison  
Meadow Park, N.Y.

Dear Sir:

According to promise made to you yesterday I enclose a copy of a paper on Keith's improvement on Bachelier's dynamometer.

I understand through the newspapers (reliable authority!) that you have turned your attention somewhat to extracting metal from ores by electricity. Now, I have written some, and worked a great deal more in the line of electro-metallurgy, especially in that of refining and separating metals. If you desire, I will take pleasure in sending you copies of some of my publications in that line. I have also some patents in the line, especially in refining lead base bismuth and separating gold and silver therefrom.

Respectfully,  
Telephonist of Fuller Electric Co.

Thanks for paper -  
You have turned  
your attention somewhat  
to this, I will  
be glad to know  
any part you have  
of this.

New York, July 16, 1880

and Jan 24



SUPREME COURT

OTTAWA

Write & ask  
what was nature of 10/Jan/80.  
✓ A. Edison exp. pkg -  
c.c. etc.

Dear Sir, There a small  
Reg outw

I forwarded by  
express 100 lb of the black  
iron sand which we can  
get in quantities on the  
North Shore of the St Lawrence.  
Trusting that I will soon  
have a report from you

Remain  
very truly  
Yours  
G. D. W. L.

We match the process to the ore  
at present our progress is  
working our first ~~low grade~~ <sup>low grade</sup> ~~low grade~~ <sup>low grade</sup>  
quartzite pits New York Jan 17/1879  
Homes A. Eldredge Esq.

Menlo Park N.J.

Dear Sir:

My Correspondent

in Africa writes me

An "Amalgamator"  
is wanted in Russia - "Khesca" is  
next to America, the greatest mining  
Country in the world - I have gathered  
a great deal of information on the  
subject both in Government circles  
& from private parties heavily engaged  
in mining & have come to the conclu-  
sion that there is a great field here  
for a perfect, simple & cheap Amalgamator.  
I can send hundreds thousands of tons of  
gold ore being now broken down and  
for the want of suitable Amalgamators  
to extract the Gold - The Work mentioned

and Siberia are full of Government  
Spirite Mines of great extent" - a  
good Amalgamator would make millions  
here -

Speaking of the "Ball" Machine -  
"if that Machine is now perfected has  
proved to be the best Amalgamator and  
Extractor there is no doubt whatsoever  
of its reliability under all ordinary  
circumstances the Machine really does  
all they claim for it & saves 90% (Ninety)  
of the Gold in the Ore - then to be this  
great I know of nothing better to make  
a great deal of money out of - But  
be in mind there must be no mistake  
about the Amalgamator - it must be com-  
plete & perfect - perfect tools & machinery  
& all circumstances perform all work  
has been claimed for it - Do not depend  
upon your own judgment - Consult with  
Experts."

Copy the foregoing so as to inform you  
my correspondents -

The question is -  
Will your discovery, an invention & application  
in Russia - I suppose the Pres. are kinder  
to those in America - Can they not be applied  
Tailors - Blacksmiths?

At your service  
you please write me on the subject - If  
necessary to understand each other I will  
visit you at any time -

Sincerely yours

J. E. Coleman

I hope could send several lbs of the  
particular ore which you think a  
process would be the most valuable I will  
try some preliminary experiment please  
send <sup>your name, Pueblo Colorado</sup> your name in it conspicuously in  
several places etc  
I have thought for years that our  
ore could be reduced by Electricity but the great  
trouble is our ore contain so many dif-  
ferent constituents and if the fluid does not  
have more affinity for some than others  
it could be controlled with this mail I send  
an specimen of ore from the base of the  
Pueblo Colorado if you think the idea is good  
give it a trial if not please keep the ore as  
it is telluride of silver it would be a great thing  
for the mine if the ore could be worked with it  
if you conclude to make a trial and want a  
quantity of different ores to work with I will send  
you all your want, please excuse me for this  
as I am in earnest but may be wrong in  
my idea of how it will work with my best  
for your health & prosperity I remain  
Most Respectfully yours  
S. S. Smith  
Pueblo Colorado

Buffalo Creek Col., Jan. 19-80

We don't work.  
T. A. Colison, Esq. Mill Tailings  
But do work black  
sand ~~and~~ ~~mill~~ ~~tailings~~

South fork of the <sup>pan from a mill</sup> ~~east~~ ~~of~~ ~~the~~ ~~mouth~~ ~~of~~ ~~the~~ ~~Black~~ ~~river~~  
are numerous <sup>to</sup> ~~of~~ ~~the~~ ~~Black~~ ~~river~~  
bottoms which contain considerable  
quantities of fine gold. This gold  
is so fine that many of the  
particles are invisible to the  
naked eye, and as yet has  
defied all efforts to save it  
in paying quantities. If all  
the gold can be saved it will  
yield from \$2. to \$5 per ton, and  
in some localities perhaps more.

There is also a great deal of black  
sand in which iron is largely  
in excess, and it is very heavy.

My object in writing to you is  
to ascertain if your process for  
saving the gold from mill tailings  
&c. can be used here to an advan-  
tage. If you think it can, please  
inform me in what way and, by  
what terms you propose to introduce  
the new process, and oblige.

Truly yours  
S. G. Whipple  
Adelphi Buffalo Creek  
Jefferson Co. Cal.



There are very few Chemists  
in the world who can  
make a reliable assay  
of a pyrites ore: if he  
or you would allow me I  
should be happy to prove  
my statements of the value  
of the ore. The U.S. assay  
office made eight or ten as-  
says of it with a uniform  
yield of \$23.56 pr. ton -  
the ore that we are mining  
now, much of it <sup>is old</sup>  
(see also)

306 Folger Street  
Boston, Mass.

January 28.

<sup>It</sup>  
You have forgotten  
to send me <sup>the</sup> report  
the report <sup>at</sup> assay  
slip -  
Prof. Ellison

My dear Sir.

I do hope that in  
the press of your business  
you have not forgotten  
me and my gold ore -  
I was not very much  
surprised that your Chemist  
failed to get a result -

assay of Ho. pr. Tin and there is a vast  
quantity of it - there is no Enterprise in  
the world today of equal value -

I am yours very truly

W. W. Chipman -

Boston Jan 1850  
W. W. Chipman  
Am. July 18 50

Bismarck D.T.  
January 28th 1880

Prof. J.A. Edison  
Menlo Park  
N.J.

Dear Professor

When at your lab.  
around 25 Menlo  
Park last Sept. you  
suggested a Proctor  
for working over the  
Tailings of Quartz  
Hills by <sup>using</sup> Electric Power  
and you said if  
the Tailings contained  
one dollar per ton  
of Gold that you

Could make it profitable  
to work the tailings.  
I have been to the  
Black Hills for nearly  
a month lately,  
and when there took  
the trouble of investi-  
gating, and found  
out of nearly as pro-  
fitable what amount  
of gold there is in  
the tailings. I made  
a list of the tailings  
of one of the largest  
Hills there and  
found over 7,000 lbs.  
to the ton, at another  
hill I went 376  
others less, but I  
am confident that  
on the whole they  
will average  
three dollars <sup>\$3.00</sup> per ton.

So since you say  
that one dollar  
would pay to work  
there must be  
great deal of money  
at 300 lbs. if the  
process is a success.  
They are crushing  
on an average 2,000  
tons of ore per day  
and all or nearly  
all the tailings will  
be concentrated at  
two points - one  
is on Deadwood <sup>Fla.</sup>  
and the other <sup>Fla.</sup>  
on Whitewood <sup>Fla.</sup>  
and I have secured  
the ground at  
both points -  
and now I have  
a proposition to  
offer you

If you furnish  
the plans - ~~patents~~  
Pat. and direct  
for the Pat. Co. I will  
pay for all. attend  
to and manage the  
working. I will  
and give <sup>you</sup> ~~over~~ ~~half~~  
of the net ~~profits~~  
is the process patented  
if not can you  
secure patent.  
Should you think  
favorable of this  
proposition I can  
furnish you all  
the references and  
specimens you may  
wish.  
Wishing you great  
success with your  
patent

Utterly right and  
conventions I am  
Dear Phipps  
most respectfully  
Yours

John Rowland  
Sheridan House  
Bismarck  
D-7-

It is impossible at the  
present time to go into  
them either but as soon as  
I finish my flight I am  
going to make a speciality  
of Tailings - like your belt  
I will be to the dumps  
(52)

HIGHEST RATE  
PAID FOR  
GOLD DUST  
AND  
GOLD AND SILVER  
BULLION.

Office of  
**R. B. HIGBEE,**  
Dealer in General Merchandise,

Silver City, N. M. *Jan. 29, 1880*

*T. A. Edison*  
Wells Park N.S.

Dear Sir

I have just been reading an account  
of your mining process by use of  
cyanides you will please let me  
know on what terms you can  
furnish the required chemicals  
if the process is successful with its  
use I can furnish my expenses  
for 500 when for you to come, as  
my ground is far richer than  
Mr John Rowland describes the  
Placers in the Black Hills to be

Very Respectfully  
R. B. Higbee

Can do nothing with it  
just now but no knowing what  
there will be. We will keep  
a note of it Granite Creek  
Feb. 1st 1880

Prof. Thos. Geison }  
Moulton Park N.J. }

Dear Sir  
I send you by mail a sample  
of ruby sand taken from my  
placer mines situated on  
Granite Creek Grant Co. Ore.  
I find it in considerable  
quantities and if you  
can utilize it in any  
way, so inform me  
and I can save as much  
as you desire.  
A. G. Tabor

P.O. Granite Grant  
Co. Oregon



Ottawa Feb 5/80

There is but a small quantity  
of gold in the sand  
hardly enough to pay  
Prof. L. A. Edsion

<sup>de te</sup>  
doubtlessly there overriches  
Dear Sir,

In answer to your  
favor of the 23<sup>rd</sup> ultimo I <sup>very</sup> regretted  
that the sample of iron sand  
ore was in a powder keg.  
I hope you have received  
it all right & that you will  
be kind enough to let  
me know the result of your  
experiments. There is a large  
quantity of this sand on the  
shore of the St. Lawrence &

574 Ottawa Feb 3, 80  
By Duval  
a Feb 9

It can be easily shipped on  
board of schooner -

Yours truly  
Duval

Weatherby February 6<sup>th</sup> 1880.

Thomas A Edison  
Sir I saw in the Weekly Oregonian  
an account of the Edison  
Coe Milling Co being Organized  
as I understand this Company  
has a process by which a higher  
percentage of the precious metals  
can be saved than has been  
saved by any of the old methods  
of reduction.

What I want to know is,  
this will it work in all kinds  
of rock containing different kinds  
of mineral such as galena, gold,  
silver, iron etc.

We have some rock here that  
is very rich, but cannot save  
it with the different systems  
in use here.

We have some rock that assays  
as high \$300 in gold and \$1000 in  
silver and some that mills  
from 10 to 25 per cent gold to the ton  
also some that there is a  
great ~~which~~ amount of base  
metal in it. We save from  
10 to 20 dollars to the ton.

Now if your process can  
do away with the power of this  
base, I think we have as good  
a mineral belt as there is  
in the country to demonstrate  
its powers of reduction.

Please answer soon  
I am respectfully yours

Celi C. Bush  
Weatherby  
Baker County Oregon

Salpella Mendocino Co. Cal.  
Feb 13<sup>th</sup> 1880.

T. N. Edison Esq  
Kauai Park

Dear Sir!

It being over a month past for  
the time of your Mayor McLoughlin  
should have arrived here and  
have not heard anything of his  
whereabouts.

I ask kindly to know when  
he will be here, as I have  
put off a brick house here  
for some time awaiting  
his arrival. By informing  
me at once you will  
greatly oblige

Respectfully  
yours  
P. B. Klein

**New Yorker Bulletin & the Journal.**

Publication *Publ. by Lewis  
Vale Brubaker.*

Office No 39 Park Row (Times Building) P.O. Box 3595.

*New York base found  
by my own search  
with D. J.*

*New York, March 2, 1886.*

*Prof. Edison*

*Spauls Park  
N.Y.*

*Dear Sir!*

*Would you have  
the kindness to inform  
us whether Platina  
has been found in any  
of our mines here in  
Tennessee. We have been  
making enquiries at  
several places but were  
every time advised to  
ask you about it.*

*If you could give  
us some information  
you would very much  
oblige us. Yours very truly  
Adrienne C. [Signature]*

my presence can  
only be called by  
a Co. of men  
when the ground  
is off hand

or returned  
Answer  
Butte Co. Cal. March 8<sup>th</sup> 1888

Sir

I take the liberty  
of writing you in regard to black  
sand, having seen statements in the  
Chico Daily Record, that you had a  
process of extracting gold from  
it, (black sand collected in mining for  
gold) with the black sand clear from  
all other material, gold, and also  
much to the lb, I have been working in  
the river (a branch of the North fork)  
above Downsville, Butte Co. where there  
is a large amount of black sand and  
some fine gold, but did not get gold  
enough to pay. I wish to ascertain the  
value of the black sand, and cost  
of apparatus to save it, please  
answer this, and I will write you  
more particulars about the locality  
if you wish. Yours &c. Olin W. Turner

Mar 10

P.S. There is a heavy black rock  
(called by the miners Iron rock) found  
among the pay gravel, and in some  
places on the surface, which I think  
is likely to contain gold, as black  
sand. There are four varieties of rock  
in that locality, I would to have tes-  
ted if it can be done.

Yours F.C. O. M. Turner  
Chico, Butte Co.  
Cal

I have just written  
you a check for  
what I should be for you

61 Liberty Street  
N.Y. March 12 1880

Thos. A. Edison Esq  
Menlo Park N.J.  
Dear Sir:

I reached  
Menlo Park pretty thoroughly yesterday  
for the man with a Separator - but  
was unsuccessful. Do you remember  
the name of place of business of the  
party? Was more successful in the  
matter of patents - found two had  
been issued to parties in Montreal.  
He send you today a copy of the  
same as you requested - also hope  
you will find quantities of Good in  
it.

Very Respectfully  
A. N. S. P.



From a friend  
of left with  
the matter up  
with both you  
Can I call  
anytime

Sheridan House  
Rismarch, D.C.  
March 23<sup>rd</sup> 1880

Prof J. A. Colison,  
Mendoc Park  
N. J.

Dear Professor

When at your  
laboratory in Mendoc  
Park. this 23<sup>rd</sup> of Sept  
last, you suggested  
and explained to me  
a process for saving  
eyes from failing  
of Quartz Hill, by  
means of glass lenses  
Kovco.

About 6 weeks ago

I write you in regard  
to the process, and  
the result of several  
tests I made of the tail-  
ings <sup>from</sup> of different times  
in the Palat Hills - also  
made you a proposition  
viz. that I would pur-  
chase and pay for  
all materials used  
and boxes enough  
to run through all  
the tailings as fast as  
they <sup>are</sup> milled, which will  
be about 3000 tons per  
day this summer  
to experiment the work  
and give you one 1/2 %  
interest in everything  
and 1/2 % of net profits  
for your invention  
as yet I haven't received  
any answer  
undoubtedly you

receive large numbers  
of letters that you can  
not answer this time  
to answer.

I am sorry that I didn't  
think more serious and  
have the same interest  
as I feel now, and make  
you some proposition  
when talking with you  
upon the subject, I did  
not think then that  
the tailings contained  
so much gold, you  
said at the time  
that one dollar per  
ton would pay, but  
it averages near 3 1/2 %  
and at some of the  
Hills much more  
please answer this  
as soon as possible  
and if can not accept  
my offer. I am sure

suggestions, so we  
can give it a trial  
in the Black Hills  
hoping to hear from  
you soon

Most Respectfully yours

John Rowland

John Rowland  
1870

Can all Oregon people  
send within a week  
credit list sent  
to the Dept of  
Agriculture - new  
can get that from  
Cody your new  
long stream and  
long hills for 100

J. P. Daly  
a. p. l. 22

Chas. H. H. H. H. H.

Chas. H. H. H. H. H.

Chas. H. H. H. H. H.

I don't know

your address but hope this  
may reach you. I have a  
S. D. beach winding claim  
& understand that you  
have invented a method  
by which fine gold can be  
saved if you have & I can  
save it I have a fortune  
for us both. If you want  
to secure claims I can get  
you four or five for you for  
a very reasonable consideration  
or if you have the method for  
sale we are willing to buy  
fifty dollars a day less

taken out with commission  
 since 1870 & less than  
 one tenth of the gold used  
 will you please answer  
 me at once & will send  
 you further particulars  
 yours with respect

Alfred Daly  
 New York  
 Benton Co  
 Oregon

HIGHEST RATE  
PAID FOR  
GOLD DUST  
AND  
GOLD AND SILVER  
BULLION.

Office of

R. B. HIGBEE,

Dealer in General Merchandise,

Silver City, N. M. Dec 15 1880

T. A. Edison

Waukegan Park U.S.

Dear Sir

Your favor I wish at hand  
in reply will be in U.S. call  
part of spec. will be pleased  
to call on you & will bring  
the dir. as you request

Very Respectfully  
R. B. Higbee

Phot

Carpenter Cal Mar 11, 80  
P. N. Klein  
A. Kelly at 1/20

Carpenter, Mendocino Co. Cal  
March 16. 80  
P. N. Edison Esq  
Mendo Park

Dear Sir:

Your favor of the 22<sup>nd</sup> at to  
duly at hand, it does not  
explain if your May McLaughlin  
will come here and examine  
the Mines here at all.

having kept the Mines  
open for so long for that  
purpose and doing nothing  
with them on that side, I  
should like to know if you  
have given up to look  
after the Mines here.  
I have found more

Platinum about 2 miles  
up the Gulch. When I got  
your samples, I was very  
where. As there is some  
parties of San Francisco  
talking of buying them  
Mines, but I have kept  
back on your age, I should  
like to know, if you not will  
look at them.

I am satisfied if you  
have them examined you  
would see a fortune in  
them, as every days prospects  
looks more favorable.  
and this is in a new  
Mining Belt, where there  
never has been any  
prospecting done.

In the hope of informing me  
Sincerely,  
I remain  
Respectfully  
P. R. Klein



No. 366  
 I have seen  
 the picture  
 and it is not large  
 than in lead  
 will contract me by  
 wire  
 Mr. Governor  
 Dear Sir  
 I have  
 seen in the New York Herald  
 that you have made a contract with  
 the United States Mining Investment  
 Company, to work their workings in  
 Butte County Cal, and as I own some  
 good placer ground here, I thought  
 that I would write to you, and let  
 you know, just how this ground is  
 situated, it is what is termed a  
 or Hydraulic diggings, it is situated  
 about one mile from and directly below  
 and on a straight line from the great  
 Gold Quartz belt owned by the Colgate  
 mine, and comprising the Homestake  
 Tophus, Golden Era, Deadwood, Salt  
 De Smet and others, all divided in  
 paying mines, and some of them I

Mr. Governor  
 Deadwood 1880  
 Feb. 24 80

believe in the New York Mining  
Stock brand, at any rate they are well  
known in New York, I have a body  
of gravel from ten to sixty feet  
deep, and it prospects from one up  
to thirty-cents to the pan, it will  
average three cents; that is the whole  
Hill, and there are no boulders that  
one man can not handle, it being  
all fine gravel, and such being the  
case, contains more gold than if it was  
full of boulders, which would take up the  
room of the say gravel, I have a shaft  
run in it fifty-three feet deep, which  
prospects from the top down, I have  
also two tunnels run in on it one is  
One Hundred and Twenty-five feet  
which prospects extremely good; I  
having framed out as high as thirty  
cents out of it in one pan of dirt, and  
it is run in fifteen feet above bedrock

the other tunnel I am now running  
in on bed rock, and it prospects  
good so far, yet I am in only fifty  
feet, but in the next fifty feet or so  
I expect to strike the channel, and  
I anticipate striking good pay when  
I get to it, I had a contract with the  
Home State Company to supply me  
with water, and they dug a ditch to  
my ground for that purpose, two years  
ago, but they got into a law suit  
with the De Smet Co about water  
and it is yet in the courts, and for  
this reason the ground has been lying  
idle so long, The De Smet Co are  
bringing water in from Spear Fish  
Creek about thirty miles from here  
but their ditch will not be completed  
until next fall, even if it will be then,  
but there is a spring on the Hill  
which will easily by a little work  
produce five or six minus inches  
of water, and for this reason Mr. Edson

more than any other, so I write to you, of  
course I do not know your success in  
attracting Gold, but I thought that  
if you could get along with this  
amount of water, that you could  
work this ground, and if you can I  
will give you any kind of a reason-  
able interest in the ground that you  
may want, I have been in the Western  
mines for twenty years, or will be  
next Spring, and if there was water  
on this Hill it would be the best piece  
of property in the Hills, this I know  
as also does all the old miners in  
the Hills, and as for references in  
regard to the value of the Hill, you  
can refer to Porter Warner, Proprietor  
of the Deadwood daily times, John  
Hanning, Sheriff, and Robert  
Plyk, Treasurer of Lawrence County, or  
any person that you may know here, you can  
have them come and show you the Hill,  
and they will find it just as I tell you, and  
I hope to hear from you at your earliest  
convenience I remain Respectfully yours  
Deadwood S. D. E. D. Miller

Boulder March 19/80

Prof. Edison

Dear Sir I have just heard of a discovery of a Platinum Mine and shall start to morrow to examine it. Having heard of your desire to get hold of a Pt. Mine I thought would inform you and solicit an answer ~~or~~ regarding a probable chance of buying it.

Yours Resp.

Thos. H. Bergstrom, Assn.  
Boulder, Colorado.

We will buy  
Pt mine if  
conveniently





*No process for silver  
a. a. 5/11*

<sup>CR</sup>  
ROBERT KERR, *Ans'd*  
Attorney and Counsellor at Law,

*March 31, 80*

EQUITABLE BUILDING,  
100th St.

120 BROADWAY.

New York, *March 24* 1880

Mr. Thomas A. Edison

Dear Sir,

Would you  
permit me to suggest  
whether the method dis-  
covered by you for extracting  
the gold from tailings  
is applicable, or can be  
made applicable to silver  
tailings, so as to extract  
whatever silver is left by  
the ordinary methods?

I make the inquiry be-  
cause a client of mine

is interested largely in Silas  
- running stores would  
like to make some kind  
of an arrangement with  
you, in case you an-  
swers should be in the  
affirmative.

respectfully

Robert Kerr



April 1980  
AT Hain  
you have  
helped to

the sample  
in this letter

Prof - write thank him  
day sample very rich - to keep  
I look out for a deposit of mine, do  
McKenzie Bridge & road to Oregon  
fine black sand  
we can make at any  
March 25 1880  
J. A. Edison  
Nevada Wash. Territory

Dear Sir, he may get

Your favor of Oct 10 last is before me. the tinne  
tube is also here & I return it with sample  
of sand from Blue river. On the opposite side  
is a rude diagram of the eastern part of this  
county. I washed 10 pans of dirt to get this sam-  
ple each pan having about 3 table spoonfuls of the  
black sand to wash out to reduce the bulk to  
the size of the tube. I have marked a cross at  
the junction of Blue river with the McKenzie  
to represent the place I got this sample, the for-  
mer sample was from a place 6 miles further  
down the M<sup>K</sup> indicated by another cross.

The crosses on the California are at points  
where I have discovered gold and black sand in  
greater quantity than on any stream in this  
section. The parallel lines across the ridge  
between the M<sup>K</sup> & B. rivers represent quartz  
croppings none of which appear to be of much  
value but a piece of float rock has been found  
about the point indicated by a x on the 2<sup>d</sup>  
north branch of Blue worth perhaps 3000<sup>00</sup> per  
ton gold & silver. Gold has been found on the head  
of Lake creek also, (marked x.)

Should you find anything to interest you  
in this sample I will furnish others as I ex-  
pect

over

fect to give a little time toward finding  
the courses of the gold found on the McKenzie  
and Callipovin rivers. The reason I am  
going into so much detail is that here is  
a virgin mining section which, whether  
good or bad, had it laid in local or New  
would have had fortunes spent on its  
development. The country eastward of  
Blue river ~~is~~ seems generally covered with  
Loam and Glacial drift but is interesting  
for its boiling springs, alpine scenery and  
facies of which there are four living ones  
within 28 miles of this place. Hoping I  
hear from you again & am

Very Truly Yours

P. G. Renshaw

formerly of Mansfield, O.

Much Gold

one  
McKenzie Bridge of Mass. to  
P. Mansfield  
Sept 19

200000

Callihuvia Riv  
Widdowson's Riv  
Spring Hill  
Spring City

Spring Hill  
Spring City  
Widdowson's Riv

Callihuvia Riv

Spring Hill

Ridge about 5500 ft

Widdowson's Riv

Spring Hill

Blue riv

Spring Hill

Widdowson's Riv

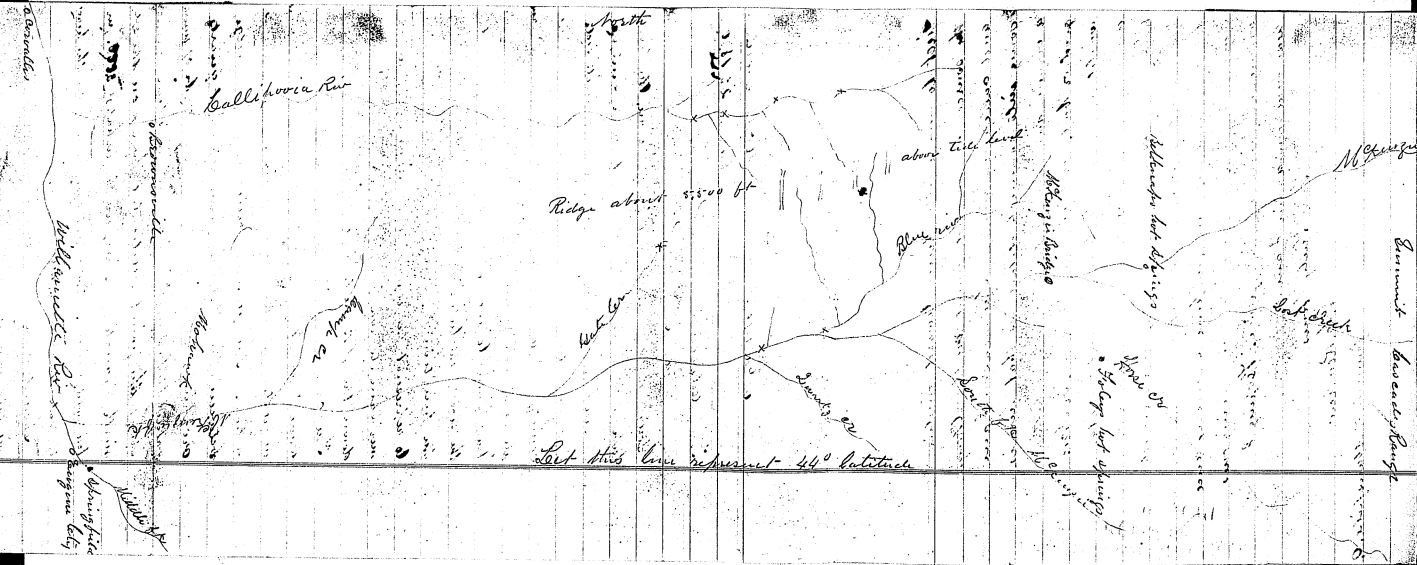
Spring Hill  
Spring City

Widdowson's Riv

Spring Hill

Widdowson's Riv

Let this line represent 40° latitude





And we will give you  $\frac{1}{4}$   
(one fourth) of all we can  
make.

If these terms are  
not satisfactory to you  
please make what proposition

Yours truly,  
R. W. Sabers, Jr.  
West Troy  
N.Y.

P.S. Within 50 miles there  
is said to be valuable  
Platina veins - and there  
may be some on this  
property. You will see by  
the report that they are accessible  
by Rail & Water. The report  
is said by those who know the  
mines to be under estimated  
in richness. Yours R. W. S.



LEWIS LELAND & GEORGE S. LELAND,  
PROPRIETORS.

# Sturtevant House

IS IN THE CENTRE OF THE CITY  
WITH ELEVATOR.

BROADWAY, 28TH & 29TH STS.

RATES REDUCED.

ROOMS WITH BOARD, \$2.50, \$3.00 AND \$3.50 PER DAY.

ACCORDING TO LOCATION.

ROOMS ON EUROPEAN PLAN, ONE DOLLAR PER DAY.

*We will put up  
boards for you on all the  
rooms which we do from directly  
to our next door next door etc.*

To Prof. Edison.  
New York, 29 Mar., 1880.  
Munlo Park, N.J.

Dear Sir: -  
(Private.) Having read, in today's  
N.Y. Herald, the interesting article  
headed "Edison's Big Bonanza",  
I take the liberty of addressing  
you, to say I know where,  
~~in California~~ in California,  
there are thousands of tons of  
black sand full of minute  
particles of gold, which (when  
a Lieut. of Artillery stationed  
in Cal.) I used in lieu of  
blotting paper to dry the ink  
used in my correspondence! -  
Whether that black sand contains  
platinum or not, I do not know,  
but would not be surprised if  
it did. -



LEWIS LELAND & GEORGE S. LELAND,  
PROPRIETORS.

# Turtvant House

IS IN THE CENTRE OF THE CITY

WITH ELEVATOR.

BROADWAY, 28TH & 29TH STS.

RATES REDUCED.

→ ROOMS WITH BOARD, \$2.50, \$3.00 AND \$3.50 PER DAY →

ADDRESSES TO LEADERS.

ROOMS ON EUROPEAN PLAN, ONE DOLLAR PER DAY.

New York, \_\_\_\_\_ 18\_\_

2  
If this fact can be of service to you, please communicate with me, and command my services. -

Very respectfully,  
Your obt. svt.  
Geo. P. Ihrie,  
Late U.S. Army.

**GEORGE P. IHRIE,**

(Ex-Ingenieur-Gew't on Staff of Gen'l U. S. Grant, and late of U. S. Army.)

CONSULTING

**CIVIL AND MINING ENGINEER.**

Gold and Silver Mines Examined, and Reports,  
Maps and Estimates made.

Offices **210 Montgomery St., San Francisco, Cal.**  
**67 Broadway, N. Y. City.** Room 20.

Don't think any  
more minutes are  
to be made  
Write in pencil  
I don't know any of  
your friends who  
go to the office  
I don't know any  
of your friends  
I don't know any  
of your friends

Office of  
**D. FREDRICKS,**  
Attorney and Counselor at Law,  
No. 7 CHANDERS STREET.

New York, March 29, 1877.  
J. A. Edison Esq  
Dear Sir,

It has frequently occurred to me, that you should use pulverized Coke (Coke can be obtained from any coal gas works) with suitable fuel for the purpose of increasing the force of the current on the zinc electrode, instead of using carbimazol and board. Please excuse the suggestion of this late day, I would not have made it had I not noticed the "big bonanza" in the Herald of this Star.

In alluding to the "big bonanza" permit me to ask, if you know that all water passing over or through gold mines contains gold in solution, which cannot be detected by microscope, to prove the same, take a small quantity of gold, dissolve it in aqua regia (one part nitric, two parts muriatic) when dissolved add water to stop the action to the grain of gold, the gold cannot be detected by microscopic observation, but a galvanic battery will throw down the gold, and the same can be recovered with flux, my experiments used to be (have not made any for twenty years past) flux composed of equal parts, borax and salt.



What I am getting at is this, the Suits  
known as Thunder, or any name as,  
the water must necessarily contain  
great deal of gold and silver in solution  
which is carried off and wasted, the  
same might be recovered, there are also  
a great many places in the far west  
from the water running through the same  
gold and silver might be recovered at  
a profit by placing in the places galvanic  
batteries composed of old sheet copper  
and zinc, I have made these suggestions to  
no other person, if they are worth anything  
to you and you feel disposed to pay  
for them. You can send me some sheet  
in some of your companies, I may  
possibly have been giving you information  
already possessed by you, if so be  
the fact, don't publish it, but writing  
this,

Respy Yours &c  
L. S. Predicts

at  
Wm Mar 19<sup>th</sup> 50  
J. P. Frederick  
Mar 31

more especially is  
with all hands bent on gold  
can we not start this in these circumstances

Choracuss, March 30/20

Thos. A Edison Esq

Dear Sir: -

I notice that you  
have found a process for  
extracting gold from tailings,  
and I venture a line to  
you in regard to the applica-  
tion of your process to the  
extractions of gold when mixed  
with iron sand.

I have long known of a  
very large deposit at no great  
distance from New York, and  
have thought that your pro-  
cess might be applied thereto.

The sand carries quite a  
large amount of gold, and  
should your process fit the  
kind of work, it should be

glad to give the matter  
a trial -

Will you favor me with  
a line, or kindly refer me  
to parties who can give  
me information on the  
subject.

Very respectfully,

J. N. Johnston -

Ors Syracuse NY Mar 30, 51  
J.H. Durston  
Anal Mar 31-50

Hold till sample  
Comp  
to be him send a  
nail key full

BALDWIN, SEXTON & PETERSON  
894 BROADWAY.

5 Hays pls put this  
on file - for  
New York, April 1st 1892

Mr. T. F. Editor  
Dear Sir,

William Adams  
express prepaid send you 25 lbs  
tailings which you will please acknow-  
ledge.

And Ollgo Y

Yours Respectfully  
Caldwin Sexton Peterson

Please describe box  
as we are receiving several  
daily & everyone fails to  
mark box

wrote them April 23<sup>rd</sup>  
contains enough  
gold to cover it  
provided it can  
be secured in large  
quantities

Chas. S. Chandler  
April 30 / 1880  
We are very much interested  
in your invention - don't want to  
oversell it out of USA  
Prague Apr 1880

Mr Edison

Dear Sir

I see by the  
papers that you have invented  
a process by which you can  
extract gold from the tailings  
of a gold mine to a large  
amount now if this is so I  
would say I have a brother  
- in-law engaged in gold  
mining and if I could  
make any arrangement  
by which I could apply  
this invention I would like  
to do so as this would not  
interfere with your rights  
I did not know but you might  
give me a chance for my life!

and It would be of mutual  
benefit, <sup>to you both</sup> the location is not  
in this County. If you will  
give me a chance and send  
It I will come and see you  
and talk the matter over  
I can give you the best of  
references as to Character  
and Integrity of myself

Respectfully,  
Yours  
Chas L Chandler  
Dentist  
No 1 Grand Block



# St. Louis Eye and Ear Institute,

723 CHESTNUT STREET,

Free Clinic, from 3 to 5 P. M., Daily.  
Dr. A. D. WILLIAMS,  
Surgeon in Charge.  
Dr. G. F. FOSTER,  
Assistant Surgeon.

St. Louis, April 2<sup>nd</sup> 1888

Mr Edison:

Dear Sir:

I have read the article in the Herald on your method of treating tailings from Placer mines with a great deal of interest. I want to ask you a question. Is not your method applicable to placer ground before it has been once washed the same as after it gets to be tailings? My friends of mine here own a large amount of rich placer ground in Colorado, the tailings from which are known to be rich. I thought perhaps your method would be applicable to the treatment of the original dirt & might be cheaper than washing it first by hydraulics. If applicable, could we obtain permission to use your method of treating tailings on our original dirt? If you would like to experiment on the dirt, I will see that specimens of it are sent to you, if you will only direct me how much you would want & how to send it. Be kind enough to let me hear from you. I have written a friend, now in New York, to call on you in regard to the matter. Respectfully,  
A. D. Williams M.D.  
723 Chestnut Street,  
St. Louis Mo.

**GEORGE P. IHRIG**  
**CONSULTING CIVIL & MINING ENGINEER**

Gold and Silver Mines examined, and Assays  
and Estimates furnished.

*to be done  
will be very  
small  
have been  
Involving*

Room 20-57 Broadway, N.Y. City  
to  
dated April 3, 1880.  
Prof. T. A. Edison.  
of Menlo Park, N.J.

Dear Sir:

I am in receipt  
of yours of 31<sup>st</sup> ultimo, and  
desire to further pass the  
deposits of black sand,  
about which I write  
you, are not "tailings",  
but a natural deposit  
in auriferous and moun-  
tainous part of California,  
containing great deal of  
minute particles of gold,  
which the Indians squaws  
used to pick out with the  
points of jaw-meadles. -



I said, "there were thousands of tons" - I believe there are millions of tons in these natural deposits, and while we never treat a ton of this black sand, it surely, to judge from its looks, will yield just as much as that of 2. per ton, and may possibly carry platinum.

To secure this deposit will require the purchase of some farms, and the permission of others, involving a financial outlay of several thousand dollars.

Can I purchase one or two of your "works" for this section of California, and how will the "O. & C." be compensated for their use?

In other words, what financial arrangements can I make with the "O. & C." to work this stupendous bonanza of black sand?

And immediately will oblige

Respy. Yours

Geo. I. Thro  
late U.S. Army

If you can send us several  
lbs. of Black sand from the  
Calif. Nova Scotia  
auriferous region send ~~them~~ <sup>them</sup> ~~to~~ <sup>to</sup> ~~me~~ <sup>me</sup> ~~at~~ <sup>at</sup> ~~once~~ <sup>at once</sup> ~~if~~ <sup>if</sup> ~~it~~ <sup>it</sup> ~~would~~ <sup>would</sup> ~~pay~~ <sup>pay</sup>  
Prof. Edw. T. Allen

Dear Sir,

I commence with  
an apology for addressing a total stranger,  
but I have lately seen an article in the  
New York Sunday Herald, concerning a  
new discovery of gold, in which I am  
much interested.

It was in relation to a new method of extracting  
gold from the sand or washings from  
Creeks.

What I say about to appear in the  
New York Herald. My friend Mr. J. N. Matthews (who is  
writing you tonight) and myself are interested  
in Gold Mining, and have taken up large  
areas in several of the Gold States  
of this Province. We have over a hundred  
acres at Gold River, where gold can be  
washed from the sand with a pan, in any  
part of the river. My best areas are at  
Lawrenceston, Mount Pleasant and Catibon,  
and belong to the Rose Gold Mining Company,  
which sold property to an American Company

a few weeks since, for Ziffy Thomas and  
Gallens. We are sorry to take up so much  
of your valuable time with these details, but  
as we are perfect strangers, and know that you  
would not wish to bother with even who do not  
pursue business, we give them to show you that  
we do mean business, as you can readily find  
by making enquiries.

In the first place, we do not believe in large  
companies, as they have less chance of  
agreeing than small ones.

You will first want to know who we are, and if  
we have the facilities for carrying out what we  
propose. We are both single men, and can  
best give our attention to any speculation that  
would pay us better than our present business.  
We are both, at present, located in Halifax,  
and am happy to say that our business is  
in a healthy state.

Mr. Waltham and I are of the opinion  
that with your help, we would not need any  
other. We do not know the amount of  
capital that would be required, but so far  
as that is concerned, we feel that we would  
be able for the emergency.

Our proposition is this, that we three shall  
go equal shares in the profits. Mr. Waltham  
and myself to furnish the capital, and you

the process for extracting the Gold from  
the sands and washings of the Province of  
Nova Scotia

There is a very large quantity of this sand which  
has been gradually accumulating from debris  
of Glaciers in different parts of the  
Province, for the last twenty years; and  
we would like to hear your opinion on the  
matter at your very earliest convenience,  
and we will send you half a dozen samples  
from as many different washings.

I would just say here, that we can secure the  
washings at half a dozen different places  
within twenty four hours.

Any information which you may desire respecting  
our character, either as men, or financiers,  
can be obtained of any business firm  
in this City.

Anticipating to hear from you as soon as possible,  
Believe me, Dear Sir

respectfully yours

P. M. Davidson

226 College St.

Halifax

N.S.

J. A. BROUGHTON.

R. BROUGHTON.

BROUGHTON BROTHERS.

DEALERS IN

Drugs, Medicines, Paints, Oils, Glass, Groceries, Etc.

Brodhead, Wisconsin, Apr 7<sup>th</sup> 1880

Prof Edison  
to Sir

I read an article in New-York Herald 29<sup>th</sup> last March about saving gold & silver in tailings.

We have a gold & silver mill & can not save the gold & silver. The metal is very fine. Can you do anything for us. Our mill is 20 stamp near Deadwood. And what will be the expense?

Will answer further other questions if desired

J. A. Broughton

We do not as yet work mill tailings only placer tailings from the Hydraulic mines —  
Block and fuses sand etc

D. S. SHAW,  
BOARD OF TRADE BUILDING,  
ROOM 12.

Our process is for working  
uniform block  
Detroit, Mich. 8 April 1882

Prof W. Edison  
Niagara Falls, N.Y.

Dear Sir  
I see by your own process  
of extracting gold & silver from  
low class great results may be  
expected from certain mining  
districts provided it can be put into  
practical operation. My object in  
writing to you is that I have examined  
a few placer mines in Colorado  
which seem to be wonderfully rich  
in gold. As near as can be deter-  
mined by measurement there are  
27,000,000 cubic yards and in a  
rude way by hand they have  
been tested and the results have  
been astonishing, washing out  
all the way from 10 lbs to 40 lbs a pan  
(about 100 pans in a cubic yard) they are  
situated where any amount of water

Detroit, Mich. \_\_\_\_\_ 18\_\_

can be obtained and a head  
of water, or fall of from one to two  
feet. This is in fact a sand  
gravel. Early work was done  
down access to 15 Rail Road St.

Now what I must  
like to know is, can any arrange-  
ment be made with you, whereby  
these mines (provided you stipulate  
are used) could be developed and  
mined operation. By the present  
method process an enormous amount  
of gold can be produced at out of  
course at a much greater ex-  
pense as than your present  
process. If you will be kind  
enough to let me know what  
you think about this I will be very  
much obliged & will try and come  
to some terms for operation

Very Truly Yours, D. R. Shaw

*008*  
H. A. ROGERS,

IMPORTER AND DEALER IN

Railway and Machinists' Supplies,

No. 19 JOHN STREET,

P. O. Box 4106.

*NY*  
New York, April 9 1880

J. A. Edison Esq

Mount Park

Send sample unwashed  
pulp - Also tests of some  
largely extracted in gold mine within  
twelve hours ride of New York. We have  
an enormous quantity of ore 10 stamp  
mill running on our Pulp as it  
runs from the batteries on to our  
plates assays \$40.00 per ton we  
find our gold so fine that it  
washes off the plates and requires  
some amalgamating process.

*HC Weston*  
*April 12*  
We have not decided what yet  
will you give me some points  
regarding your process. If you  
can save  $\frac{3}{4}$  the assay of our  
ore I can show you all the  
ore. You want to work on  
without going to California  
If desired I can furnish  
you sample of mill'd ore or  
unwashed ore. Pres Green  
of the Western Union will I  
think endorse me. Refer to  
him. Shall be glad to hear from  
you  
Dm

Very Truly

HC Van Dine

392 Eutaw Place

Baltimore Md



Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been accepted by the sender of such messages.

Messages are carried subject only to special arrangements or delivery of Registered Messages, and the Company will not be held liable for any delay in transmission or delivery of Registered Messages.

The Company is INCORPORATED, and its business is carried on by the order of the sender, under the conditions stated above.

A. J. BREWSTER, Secy. Red NORVIN GREEN, President.

Date Tulsa Hill Nov. 4-9 1880

Received at 410 1/20 6 1/2 AM

S. T. A. Edison

READ THE NOTICE AT THE TOP.

Mid box tailings  
arrive & what result  
your conclusion

Mercer etc. g  
9 Paid  
1/2 Rate  
L. K. Saf

Mercer atty April 10  
Virginia City

Yes still working at it -  
Edison

Recd -

if you write him to his Alaska  
address, send Sam please  
if you have one & tell him to  
send any of the 50 also he will  
be happy to pay any <sup>price</sup> <sup>you wish</sup>

Nov. 1832. P.O.

Prof. Edison

New York.

San Francisco. Cal.

April 10 1880.

Dear Sir

"Interesting" is a mild term to  
apply to your "scientific researches" & if  
the reports we read are typographically  
correct of your progress" we may apply  
the term "astounding" with freedom

In today's Issue it is set forth that  
your experimenting for Platinum, developed  
new features in gold extraction from tailings  
this you are in search & in need of (Platinum)  
is plenty full in some parts of the North West  
but always & only found in a granular state  
& frequently a nuisance to the paucity of  
gold. I know of a gentleman having a luyet  
weighing over 17 lbs. said to be the largest in the  
U.S. states. I am prompted to write you  
on the question of Platinum, as it may prove  
of mutual interest & profit. But few of

The oldest & most Experienced miners know  
What <sup>the</sup> troublesome Article is that remains  
lost in the pass & has to be picked from the  
gold. "Platina" & lead is known (if anything)  
of it in the "matrix" which I am not clear  
in myself Altho am satisfied of it being  
in abundance on the Arctie slope & Alaska  
where I have explored for the last 8 years  
I have travelled & explored sections extending  
from Idaho, Montana, British Columbia & Alaska  
to several hundred miles down the waters of  
MacKenzie River on the Arctie & the granular  
Platina in places found & regarded a nuisance

In a few days I will leave for Karta  
Bay Alaska where I am permanently  
engaged in "Ladron" history & her trading & now  
preparing for working gold & silver & talena  
ores. I am taking an Assay outfit which  
I can proceed with on gold, silver & copper lead  
but other features require further knowledge  
to work on. Especially Platina

If you appreciate an exchange of  
correspondence with a view to mutual  
benefit I shall be glad to expect inquiring

& furnishing some of the undeveloped  
metallic resources of this (as yet) isolated  
region - I want a detailed description of  
Platinum Ore & most scientific method of test  
I have seen nothing that is laid on "Platina"  
but generally making "Confusion worse Confounded"

Should you desire correspondence  
I would ask that it be for the "time being"  
direct & private to my P.O. Box within City  
(or my address) which will be forwarded  
to Alaska -

I am Sir

Yours Respectfully  
D. H. Hopkins

P.S. Many Years Ago I was familiar  
with Prof. Adolph B.H. in New York  
City but do not know his present  
whereabout (if alive) & would be pleased  
to learn of him - D.H.H.

The only process so far perfected is for  
washing auriferous black sand without  
water, ~~we~~ have you black sand deposits  
(Oakland), April 11, 1860

Prof. Edison

Gold Part.

Sir

Noticing and  
account of your wonderful inventions in the  
columns of the news papers

I thought I would  
inquire into the merits of the thing, I  
have some large interests in tailings

What amount of water  
per ton does it take to work it?

What will it cost you  
to erect one of your mills with a  
capacity of 10 tons per day?

Will you please answer  
soon and give me all of the particulars.

Yours,

A. Fairchild

#1350 Market at

Alameda St

Oakland Cal.

STAB & ZECKENDORF,  
121 Church Street, New York.

*See T. M. N. M. L. C. M. S. M. Z. E. C. K. E. N. D. O. R. F.*  
*Zeckendorf & Co. May 6 '80*  
DEALERS IN  
General Merchandise,

Trusson, A. G. April 12<sup>th</sup> 1880

Thos. S. Edison  
Menlo Park  
New Jersey.

Dear Sir,

Having heard a great deal of your new process of concentrating gold, I wish you would forward me such circulars or data explaining the process, as I believe if adapted to a certain class of ore, I might make use of it. Please give full particulars as to price weight of machinery and if you sell certain territory

I know of a certain place of  
nearly thirty miles square, loose  
sand, no water, which has failed  
in the process of dry washing  
in a very crude process. I  
give you these particulars, to  
inform whether your process  
could be used on such  
ground. As to any  
standing refer you to  
the commercial agencies

Yours Respectfully  
John Gutzendorf  
of Gutzendorf & Co.

We are not ready  
yet - ~~The~~ <sup>The</sup> first machine  
perfected is for washing  
black ambersands  
without water <sup>exhausting</sup>  
flour good 4-5 cent gal <sup>avg. time</sup> 12-15 sec  
Exhaustion as fast as we are not ready

the  
consequence

cc  
Fort Bridge Wyo April 19, 80  
Harry Richardson  
a. April 19

Write say on process is not for mill tailings but  
for placer sands, Especially heavy fine gold in  
black sand, the purest the black sand and the  
better sand samples by mail coming by  
3 lb. bags - mark your name & April 12, 1880  
I submit them to  
Professor Edison

Dear Sir, Having  
seen by your process you can  
save all gold that remains  
in Tailings from Quartz Mills  
I would like you to inform  
me if you can find gold from  
Placer Mines that contains gold  
so fine that it cannot be saved  
by any process that is at present  
in use. The Mines I speak  
of are inexhaustible there being  
Miles of Bars that will run from  
Ten feet to Two Hundred feet  
deep and it all contains fine  
gold. I have panned out dirt  
from a great many places and  
find good prospects in it all  
but the gold being so very fine  
you cannot separate the gold



from the pond

Should you wish I could send you. but from different places and should it prove as good as I think it will I don't know of such a Field for health in the North.

I know your time is very valuable and you receive a great many communications from different persons but I think if you could spare the time to visit yourself in this matter that it would prove one of the best paying schemes it is possible to conceive if I did not think so I would not take the liberty to write you I am an old Miner and know what I am saying and should you wish to test the dirt I will find you what quantity

your may require and your wife. You be able to judge better yourself and find it to your interest to take the thing to hand.

Hoping you may meet with your kind consideration and I may hear from you at your earliest opportunity.

I remain

very Respectfully yours  
Harry Blackard

To Professor Edison  
Menlo Park.

H. B.

4  
Newspaper  
Albany  
Cant go <sup>to</sup> <sup>any</sup> <sup>place</sup> <sup>by</sup> <sup>my</sup>  
your mind

1850  
Feb 28 - April 12<sup>th</sup>

Mr Edison

Sir

I take the liberty of writing to you in reference to coal from mine that I own the owner of in Sussex County a description of which I send you I sent a description to Mr McLaughlin that he did not get it before he left for California as I am very much in need of money I will sell it at a great sacrifice Samples of the ore Mr McLaughlin had at your place and pronounced it good Ore

I wish you would include  
ed this mine and let  
me know what you  
think of it

please address

J. E. Barger

76 State St

Chicopee Mass

There is <sup>an</sup>  
placings - <sup>then</sup>  
I have 25 lbs. is  
the price -  
won't you not  
Wm. F. Curry  
Apr 22

1940  
Helton Utah (April 13th)

Mr Edison N.Y.

Dear Sir's  
we ~~know~~ what we call  
placings here and i will  
send you a sample of it  
and i want you to let  
me know what it is  
worth per ton as it comes  
out of the mine we  
have a large mine of it  
my ~~business~~ has been riding  
to you about it and he  
told me that he sent  
you some of it but  
i dont think he has  
his name is J. B. Vandort  
and now if it is worth

looking after if you  
will send us a letter  
we will pay you well  
for it

Very Respectfully

Wm. J. Emery

Hand

What is price per  
quart of Sugar

36 Andersonville N.C.

Apr 13/80

Thos M. Edison Esq

Mills Park N.C.

Sir,

I send

you a few Zircoids as specimens;  
You will find them I think,  
just proof - and if they should prove  
to be of any value to you in  
any way, would be glad to furnish  
you with any amount that you  
may need -

I would be pleased to hear  
from you in regard to the matter  
at your earliest convenience -

Respectfully  
Jas M. Edison

**W. H. Merwin & Co.**

WHOLESALE DEALERS IN

**FLOUR, GRAIN, MEAL, FEED, Etc.**

178 & 180 State, and 1, 3 & 5 George Streets,

N. W. MERWIN,  
2, 7, FITCH, P. O. Box 1112.

New Haven, Conn., Dec 12<sup>th</sup> 1881

Mr J A Edison

Windsor Park N J

My Dear Sir

Excuse the trouble I am making  
you. I would like to enquire if your  
device for raising Flour. Could be applied to  
Lime Washing, as suggested in my former letter  
The gravel can be separated from the sand at  
the head of sluice, when put into Sluice Boxes by  
some oscillating Machinery and discharged, not  
allowed to pass down the Sluice Boxes, so much  
I think can be done Mechanically, then follows  
the Question of raising the flour. I have thought  
some device by which the water and sand could  
be made to pass over a broad or widened surface at  
a moderate flow. Some way or appliances could be  
found to operate accomplishing the desired result  
There is, I know, on the claim now, when the owner  
will admit, shall be pleased to comply with your  
request. What do you think of my suggestions.  
I have for any assistance you wish  
cut or descriptions of your  
plan which you could send me.

W H Merwin

WELLS, GERTON & PETERSON,  
609 BROADWAY.

01

apl 13  
D. apl 15-80

New York, Apr. 13 1880

J. A. Edison Esq.

New York

Your favor

of 12th inst. is received. Did you form any idea from the sample of tailing sent, as to their value per pound? We have some very abundant prospects and are somewhat interested in the results, as aside from the value of gold in this lot we wish to compare the results from the application of electricity, with that of our own assay, and the use of fuming nitric acid and refinery. We have sampled the file.

The refining and smelting of Swedish ores is a very large business, the manufacture of Swedish being largely carried on in this city. Providence, Rhode Island.



~~Boston, via etc.~~

Would you like to try the lot  
we have, if handled up & sent to  
you?

Respectfully,  
Judson S. Johnson

What brought the first  
to agents in Canada  
that taking to the colony  
organic matter all the  
large amount brought  
didn't return, took all  
gold out of it & trouble  
very much



St. Louis Eye and Ear Institute,

723 CHESTNUT STREET,

Free Clinic, from 3 to 5 P. M., Daily.

Dr. A. D. WILLIAMS,

Surgeon in Charge.

Dr. G. F. FOSTER,

Assistant Surgeon.

St. Louis, April 17<sup>th</sup> 1890

Mr G. A. Edison:

Dear Sir:

On my return home yesterday I found your letter of 6<sup>th</sup> inst.

I will see that specimen of dirt are sent to you. It will take some little time.

How much pay dirt will it require to justify you in putting up a well?

How fast can you work the dirt?

How much per day, I mean, can you work? On what terms would your

company work the dirt in your own way? Please give me all the particulars

so I will fully understand you. I

mean business, if your terms are not

too extravagant, or at all reasonable.

Would you not be willing to give me

the privilege of using your method in the

county where our property is located & allow

you an agreed royalty on your method of

treating the dirt? I would much prefer that, I fear

you have too much on hand to get started where I

am interested soon. Please let me hear from you

fully soon. I will see that pleasure dirt is forwarded

to you at once. As ever: A. D. Williams M.D.

723 Chestnut St.



3 St Roch St  
Montreal P.Q. April 14/80

My dear Al

Enclosed you will find 2 slips the small cut from the Montreal Herald of Monday the 12<sup>th</sup> & the other from this morning's Herald I would have read the proof last night but felt so infernally lazy that I did not go down town after dinner (7.30 pm) & I regret it now as you will see several horrid blunders it was written correctly but got bugged by the compositor Mr Bro. started for Quebec this pm & I will join him tomorrow or next day then & go about to his claim on the Plate River in Beauve Co. he has land

on the Platte. the Gallway of the  
Sammie Rivers & says they are  
all good. he sent down to  
Dubois since I arrived & got  
a bag of tailings of his own  
washing which he brought over  
to Elbert fall to examine for  
Platinum and we washed in  
a pan not to exceed a quart  
of it & found 57 specks of  
fine gold in it from the size of  
to I could send you some  
of this out of which we have  
taken all we can but I will  
wait till I go to the spot & will  
send you the Virgin soil with  
a full description of its location  
&c &c just as you told me,  
on one of the rivers my bro says  
he never failed to find gold on  
each pan he washed when prospecting  
he is preparing for hydraulic  
work & expects to get good returns  
this season. will let you hear from  
me as soon as I can get into the  
ground. it is winter here yet!  
Yours &c Macomber

MONTEAL, HERALD AND DAILY COMMERCIAL GAZETTE, MONDAY, APRIL 19, 1880

The Tribunes of Chiquima, some Scotch Characteristic, Cyprus, Rowlandson the Canadian, Art, Folk-Lore from Utah to Scotland, Louis Philippe and the Marcelline, Floating Iron Coffin, Faintness, &c.

It is my conviction that he will be relieved of a great deal of his anxiety, and I make the above sections.

21000. The joint condition of the two casual customers as "the unness thing" of the simplest, not to say simple. M. J. ont' were met with-looks of incredulity. ing, by the awl best explanation

#### GOLD MINING IN CANADA.

Gold mining in Canada is about to become an acknowledged fact, and the coming season will probably witness a great rush to the Chaudiere Valley. The district is not, as is generally supposed, a barren wilderness, but abounds in pretty scenery and is well settled, so that those who go there may expect to be able to enjoy life in a decent manner. Land all around is daily increasing in value, and in a short time it may become a difficult matter to purchase. Mr. L. Gendreau, of the Besace gold fields, is now in the city, having offered the sale of some 15 acres of land to an American company. This gentleman has himself taken out quartz, which on being assayed by Mr. F. P. Hunt, of M. C. St. of the United States assayer, Boston, was found to contain \$2000 per ton; yet more valuable specimens have been found. In this branch of the miner's work there is an excellent opportunity for a capitalist to make money by setting down suitable machinery. Were this done, the miners in the district would gladly find more than sufficient work so that a fair return might be anticipated, and Mr. L. Gendreau, of Gilbert River, would be glad to assist any such. The most valuable deposits of gold are found in what was long ago an old river bed, some sixty to one hundred feet below the surface, and a model of a large piece, worth \$750, which was taken from the district, is now in the Geological Museum. The American people have already made themselves an introduction, and last fall a New York company built up a dam preparatory to work this season, and it is anticipated that twelve or fifteen hundred men will be engaged on the spot in the coming summer. Excellent quartz veins have been discovered at St. Charles. In fact, for a width of some twelve miles, gold is said to be found on the Metegment River, the Du Loup, St. Hubert, River, Eveson, Gilbert, and La Plante, all tributaries of the Chaudiere, and we are assured by a miner from the Black Hills, a gentleman of large experience, that the quality of the metal found is far above that ordinarily met with. The country is easy of access. From Trois Lacs the traveller may go by the Lewis and Kennecott line to St. Joseph, and from Union a drive of twelve miles brings him to the fields of gold.



Jewelers and fancy-warehousemen, as well as to the fine gift bindings of literary collections.

#### A GREAT SAVING

In the cost of lighting will also be effected, for Mr. Mackenzie says that a light equal to 18 sperm candles—the maximum gas-light—could be sold at a low price of 60 cents per thousand cubic feet, while the cost of fitting up is much less than that necessary for the utilization of ordinary gas.

#### A NOVEL APPLICATION

of the light is about to be made by Mr. Edison, who has entered on a contract to fit up the new steamer "Columbia," of the San Francisco and Chester, Pa., Oregon line, just launched from Beach's yard, Puna, with the light throughout the vessel, 200 lights, thus securing the simplest and best. The "Columbia" will go on to New York in a few days, and when fitted up will be on view.

#### THE LIGHT IS STABLE

without the slightest flicker, with a slight yellow tint, and, unlike all other electric lights, does not affect the eyes. Disruption is impossible while the light does not take from the atmosphere any of the properties necessary to life.

#### EXPERIMENTS

have recently been made by four of the most celebrated scientific men of the United States, as to the practicability and economy of the Edison light, and their verdict is decidedly in its favor, and Mr. Mackenzie is impressed with the idea that, at no distant day, the Gas Company may make way for the Edison light. The advantages, besides the fact that it can be produced at a cheap rate, must secure its general adoption.

#### THE MOST WONDERFUL

thing connected with this system is that, besides lighting the room in which the artisan is employed, it will drive the machinery with which he works, all from the one wire, and a lady may drive her sewing-machine by the same machine, at a cost of some four cents per diam, while the manufacturer requiring 20 horse-power may be as easily supplied at a proportionate cost, without the trouble of getting up steam or fear of an explosion, must secure its general adoption.

#### ANOTHER IMPORTANT DISCOVERY

and one of Edison's most recent ones, will cause the congealer to substitute "Oh, had I but Alva's secret" for "Oh, had I but Aladdin's lamp." Although his former efforts have been the means of bringing to his coffers many goody sums, Mr. Edison seems now to have discovered the secret of the alchemist, and is extracting—*not* from the stone and alluvial deposit—gold where gold was not before. Here again an accident has opened up a new path to the discoverer. Edison, when carefully searching for platinum, discovered gold in place of the meager metal. With an idea that he would be able to find it in the "tailings" or refuse of the gold mines, he sent out agents, and Major McLaughlin, who visits the Chaudron Valley on his errand, sent in several bags, in which gold was found to abound. Samples from California, and, indeed, everywhere the agents went, revealed the fact that 60 per cent of gold was actually thrown away. This led to a company being formed and the "tailings" of all the principal placer mines have been secured for years to come, from which it is expected gold will be extracted in large quantities. Mr. Mackenzie has himself shown us one or two sample packets of "tailings" from his brother's claim in the Canadian gold-fields, which contain wonderful quantities of gold extracted from this refuse of the mines, and that without knowing the secret of his friend. Edison does not claim that his method is applicable to all districts, and at present it is only useful for the district around Oroville, but after experimenting with other deposits, he claims he will be able to utilize it in the same manner as in the Oroville district. He claims to have recovered as much as \$1,400 per ton at an expense not exceeding \$5 per ton. Of course this was an extraordinary occurrence, but he maintains that, in all cases, there will be at all times a good profit after working expenses are paid.

#### THE INVENTION OF THE MAN

is astounding. When endeavoring to relieve himself of neuralgic pains, he is said to have discovered that which the disciples of Broussais have long sought in vain—a cure for neuralgia—indeed, he claims that it will alleviate all pains. This wonderful invention he has sold the right of exclusive use for \$15,000, but, henceforth, the sufferer is "ensured" relief by using Edison's Polyform. From what we know of the man, we can only surmise that he will beget a great fortune.

[ENCLOSURE]

GEO. A. KING,  
PRESIDENT.

L. E. JAMES,  
SUPERINTENDENT.

HENRICK OTEY,  
SECRETARY.

OFFICE OF

# Yellow Jacket Silver Mining Co.

Gold Hill, Nev. Jan 11<sup>th</sup> 1881

J. A. Edison Esq.  
Stulo Park N.Y.

With the request of the owner of the tailings,  
benefits of which I forwarded you in November last,  
I trust you on the go to acquire if some had  
been returned & if any result had been arrived at,  
to which I had you reply the following day,  
for which please accept thanks.

I mail you to day copy of Gold Hill News, con-  
taining two marked articles touching the working  
of New grade ore. This week I will have the  
pleasure of forwarding you a copy of a map  
I have just finished for a friend in New York City,  
showing section of plan of the Yellow Jacket Surg. E.  
& trust you will find something of interest therein.  
It has been photographed, one of which I will  
mail you -

Yours truly &  
H. Otey





OFFICE OF THE  
**Baltimore American**  
 ESTABLISHED IN 1773.  
 EDITORIAL DEPARTMENT

of the Dr. Reid  
 will save  
 the loco  
 engine

see also on other  
 sheets of 1/10/80

BALTIMORE, April 14, 1880

Mr. T. A. Edison. Grief see  
 Dear Sir. Dr Reid

In reply to your  
 letter to Mr Van Dine. I send you  
 to day for Adams Express some  
 specimens of our Ore. There are  
 about the average. Some are better  
 others not so good. Mr Van Dine  
 has gone to the mine to day and  
 will bring up the pulp and tailings  
 which will be forwarded to you  
 on his return. The mine we have  
 got a bonanza. Our main shaft  
 is 78 feet deep and we have had  
 a dozen levels open uncovering  
 over 700,000 feet of ore at

the Fisher view - Should your ex-  
periments with our ore be of inter-  
est to you we extend you a cordial  
invitation to visit our  
mine and are confident we  
can make such a visit mu-  
tually advantageous. I should  
be glad to hear the result of  
your investigations and should  
be happy to serve you in any  
way in our power

Very truly yours

Felix J. Quinn

Manager of American  
and Managing Director  
Montgomery Mining Co.

85 / 0  
9 3 2 0  
9 2  
22  
0.013



I made ~~off~~ <sup>one 14" x 20"</sup> ~~the~~ <sup>one 14" x 20"</sup> ~~in~~ <sup>one 14" x 20"</sup> a small trial with no good results, but ~~the~~ <sup>the</sup> ~~whole~~ <sup>whole</sup> to try it ~~again~~ <sup>again</sup> with large scale. This will take time.  
 Hard

~~Will be~~ ~~not~~ ~~suitable~~ ~~for~~ ~~us~~

Not suitable for our present process

T. A. EDISON,

Menlo Park, N. J., Apr 15 1880.

W. A. Ramsey Esq  
Augusta Ga

Dear Sir

Referring to your  
favor of the 9<sup>th</sup> - The samples  
of ore which you speak of as  
having been sent by Express  
has not reached here as yet.

I do not work quartz ores but  
simply the auriferous sand  
or tailings from hydraulic  
mines.

Very truly  
Yours  
T. A. Edison

Cowlitz Co. Wash. Terr  
Tulama April 16<sup>th</sup> 1880

Mr. J. N. Edison  
Owens Park

My dear Sir

Your sister-  
-quitted fever came at hand today  
Having been absent prospecting  
the crew for on Skagit Gold fields  
in the canoe I not applying I have  
taken the liberty of forwarding a  
small package of can containing  
Gold from the Chehalis Gold fields  
Grays Harbor Washington Territory  
and would be pleased to assist  
you if it is possible in any of your  
investigations is for forwarding  
on samples of our primary of this  
country. Had let me know if it is pos-  
sible to procure a machine for the  
purpose of collecting the Gold from the  
sand, and what it will cost  
I have written a -

He attended to Dr. Phelps Dodge & Co of  
 New York to inquire what success  
 you met with in the Tailum Pass  
 I can be found at  
 Mount Vernon, Skagit River till  
 May 1st then at The Mining balance  
 if the season. Every thing looks favor-  
 able for an extensive Gold field  
 (Pulvin Gray sand)

Wm. G. Phelps Sutton

Please address  
 A. L. P.  
 New Tacoma  
 Pierce County  
 Washington Territory

or  
 Tolson W. T. Appleton  
 and P. Sutton  
 at  
 May 1st

We are not ready yet to  
 furnish machines - The first  
 set of machines will be for  
 working black sand containing flour gold

CHAS. A. KING,  
PRESIDENT.

I. H. JAMES,  
SUPERINTENDENT.

MERRICK GIBBY,  
SECRETARY.

OFFICE OF

Yellow Jacket Silver Mining Co.

Gold Hill, Nevada, June 17<sup>th</sup> 1890.

J. A. Edison Esq.  
Mills Park N.J.

Sir -

By mail to day I send  
you photograph copy of a  
drawing made by me of  
the Yellow Jacket shaft -  
which please accept with my  
compliments

Yours truly  
Merrick Gibby





See his letter

St. Louis, April 15<sup>th</sup> 1880.

Mr. C. A. Edison:

Yours of 16<sup>th</sup> inst is received. I regret somewhat that your co is not now able to say what they would do. I am now negotiating in New York to have hydraulic works built on the property. If I work it by your process, the water works would not be needed. This is the only cause of hurry in the matter. I now think I will delay matters till you have an opportunity to investigate the dirt. I hope your co will conclude to give rights or privileges to work your process. If so, please remember that I have the first claim upon you for Arroyo County Colorado. In order to expedite matters & save time I have ordered 20 lbs of average dirt sent to you by registered mail. There will be 5 sacks, containing 4 lbs each. It will reach you in 2 to 3 weeks. I'll let you hear from your investigation of the dirt as soon as you can. From what you see about the California it will give a good report from what I said you. Be kind enough to send me the gold you get out of it. In regard to the amount of dirt, I will say that my friends have between 15 million to 20 million cubic yards. I believe a yard is more than a ton. So there would certainly be dirt enough to operate the rotation of a mill. I'll send you more dirt in the same way in a few days. I'll see let me have your report on the dirt as soon as you can, very much obliged,  
A. D. Williams, M.D.  
723 Chestnut Street

New Haven Conn April 19<sup>th</sup> 1880

Mr J A Edison

West Park N. J.

My dear Sir

I was at your place on Thursday last, wanting to see you, but as you was in the hands of Surgeons found it impracticable. I received your letter of 15<sup>th</sup> inst. I understand by it that your process of saving Gold is with Dry Sand or Tailings only. Now let me enquire if you first separate the Gravel by Mechanical Appliances, as the Sand & Gravel are together where Hydraulics are used, and they cost 5 or 6 could you not work a dry placer claim by first separating Sand from Gravel & then recover by your process the Gold from the sand if so. Can you not work a dry placer claim composed of Gravel & Sand. Not being able to see you I would be very glad to get what information I can. My Son in law at Redding Cal has a claim which he is testing or will soon as Larson admits give me of the Russell Hand Machine. And if he finds a good prospect

wants to develop it, in the most economical  
and successful way. They report from Pan  
making a good show but larger than Gold  
which cannot be secured by sluicing.

and I must say I am not yet satisfied can  
be profitably worked by any Amalgamating  
process with which I am acquainted.

allow me to say, I think I can apply  
Mechanics which will readily separate the sand  
from Gravel, if there you could put me  
in the way of manipulating the sand.

I shall be pleased with a full  
reply from you. And in mean time please  
return Cut of Russell's Machine I left with you  
I shall hope to see you at some time.

I am trying to Guide the Young Man in  
a way to make the best Process with reference to  
his Claim. request him to send for some  
Sand when he can do so.

Awaiting your reply  
I am Most Truly Yours  
Geo. Meiners

Yes we could work a  
dry placer but it would  
depend on the amount  
per cubic yard - flour gold  
- gives us no trouble, Can  
you send a sample of  
the sand ~~to be tested~~  
by mail -

on  
New Haven Ct April 19, 89

Charles M. Wilson  
and April 20

dears - would attend to the same and I shall be  
- played every where  
New Haven April 19, 1889

Mr. A. A. Edison  
Tombston Tenn is with you  
Went to Park

Dear Sir  
I saw your paper and noticed some time since  
- sent to me  
a newspaper article about extracting precious  
- metal from supposed to be exhausted old  
- mineral dumps, the cost away of mines  
said extracting process being of your own devi-  
- sion, and was represented as surpassing in re-  
- sults the first or original trial of the same dumps.

I have some interest in knowing  
how to best obtain the most of whatever  
gold or silver values from mineral vein stuff  
but would not aim, nor wish, to elicit from  
you the particulars of any cherished secret  
which you may prefer not to impart.  
I have only thought that I might properly en-  
- ough enquire if you know of any new and  
largely saving process which is likely to bene-  
- fit persons interested in mines? I address  
this enquiry not as a successful miner; -  
- except it be a success which has been  
sadly qualified by the loss of a valuable  
mine through the favor of professed friends

who helped me some by a little loan, and  
 then helped ~~to~~ <sup>to</sup> ~~the~~ <sup>the</sup> much more largely,  
 as helping friends sometimes do. ~~They~~ <sup>They</sup> ~~offer~~ <sup>offer</sup>  
~~own the mine.~~ But this is not relevant  
 to my inquiry, namely, whether you are  
 aware of any new and great improvement  
 in the process of extracting either of the pre-  
 cious metals, which process is ~~now~~ <sup>now</sup> ~~being~~ <sup>being</sup>  
 to become public? I had ~~not~~ <sup>not</sup> ~~been~~ <sup>been</sup>  
 to your attention, but will submit the en-  
 quiry and put it ~~to~~ <sup>to</sup> ~~you~~ <sup>you</sup> ~~in~~ <sup>in</sup> ~~the~~ <sup>the</sup> ~~next~~ <sup>next</sup> ~~issue~~ <sup>issue</sup>  
 of the paper. Much yours, though a stranger,  
 Charles Weston  
 114 1/2 West Street  
 New Haven  
 Conn.

We only work so far  
 as a few places  
 of ~~the~~ <sup>the</sup> ~~kind~~ <sup>kind</sup>  
 sands or tailings

Salt Lake City, Utah.

April 20<sup>th</sup>. 1880.

T. A. Edison, Esq.

Menlo Park, N. J.

Dear Sir:

Your cases of platinum & iridium sent to Mr Bliss & myself at Chicago last fall did not result in anything, but we have now located some 240 acres of rich placer ground, and through our location for a diked canal control considerable more.

I have intended securing a supply of the gravel and magnetic sand and taking it on to you in hopes that your process might prove profitable on our bars: I have been here some little time awaiting the arrival of Mr Bliss who came last night. Upon my broaching the subject to him, he tells me he has written you in regard thereto. I hope

to be able to leave here in a few  
days and will bring on some  
of our samples in the course  
of a couple or three weeks.

Respy  
W.H. Harrington.

Mr Bliss mails you today's  
Salt Lake Tribune with marked  
article.

67  
Sack Salt Lake April 20-50  
W.H. Harrington  
Robins



OFFICE OF  
**C. C. ALEXANDER**

all samples for analysis  
**ATTORNEY-AT-LAW.**

NEAR THE COURT HOUSE.  
 Corvallis, Oregon, Apr 24<sup>th</sup> 1880

such a nature as to require considerable exp<sup>er</sup>  
 the best method for working  
 economically - }  
 Thos. A. Edison, Esq. }  
 Menlo Park, N. J. }  
 Middletown, C. Vt. }  
 Dep:

I take the liberty  
 of forwarding to you by express (charge  
 prepaid) three pieces of gold and silver  
 quartz from as many different mines.  
 I do this for the purpose of getting you  
 to test three different pieces - and to  
 ascertain from you - whether you know  
 for extracting gold and silver from  
 rock specimens a process or all or any  
 of these pieces - if you will do so.  
 These mines are all in this state &  
 have vast quantities of ore in them.  
 The piece marked "1" is from the Lucky  
 Queen and already thirty five thousand  
 dollars have been expended in machining  
 and in trying the various processes



ATTORNEY-AT-LAW.

NEAR THE COURT HOUSE.

Tamalls, Oregon,

1886

but without success. In the mines  
from which No 2 & 3 have been taken  
very little has been done towards  
~~the~~ developing them. Will you try  
your process upon each of the mines  
and give me the result and as to whether  
a sufficient percentage of the gold & sil-  
ver can be saved to justify the ex-  
pense incurred in doing so.

I shall wait anxiously to hear from  
you fully believing you will comply  
with my request.

I am as ever

Truly Yours,

J. H. Rayburn

WE could work the sulphurite you  
sent they were very rich -  
Gold Run lead.  
Apr. 20, 1880.

Prof. Edison

Dear Sir

In my letter of the 18<sup>th</sup> inst. I omitted  
to say that the sulphurite, or whatever we may call them,  
sent you were procured from my works here. When I  
clean up I usually save the last panning, I mean a small  
quantity towards the close the main body of sulphurite had  
very been washed or panned out, I could save large quantities  
of these sulphurites if they were of sufficient value

Improvements added last fall, as indicated by a  
clean up, show that the value of my works  
has been enhanced more than 200 per cent. But had  
ing expended all my capital in experimenting I would  
like to form an alliance with a suitable person who  
can furnish the means necessary to push the matter.

Although I have no spare Mining pamphlets I will send you  
a circular pertaining thereto, I also mail you some other printed  
matter.

Hoping to hear from you soon

I am Very Respectfully Yrs. Bryan Tyson

on  
Detroit Park Col. 1874  
Frank Wilson  
a my at

~~Not to be sent~~  
Carterville silver  
gold too poor  
Edison

Silver Park, Carterville, Mo.  
Oct 4/88

Dear Sir

Enclosed please find  
tailings from the General  
granite lead with a thirty foot  
vain running twenty ounces of  
gold has silver been tested. I send  
you some of the tail to Henryight  
from the vain also some black  
sand from the place claims  
please test them to keep them  
deposited. I sent you a letter telling you  
what I would do in regard to the

claims we will deed you in  
forth instructions to each claim  
to come on <sup>you</sup> send some  
one to <sup>open</sup> them up we send  
a fair sample of the land  
on the Honor of <sup>the</sup> <sup>land</sup> <sup>is</sup> <sup>then</sup>  
ing. Hoping this <sup>will</sup> reach you  
safe to that you find a agent  
soon you shall have the deeds  
as soon as <sup>you</sup> come or send

Yours Obedient Servant

Frank Burns  
Silver, Park, Co. Colo.  
Colorado

Sh. 7. 1880  
No. 7. 1880  
TABER, HARKER & CO.  
WHOLESALE GROCERS AND IMPORTERS  
108 & 110 CALIFORNIA STREET.

San Francisco, April 28 1880

We Can work black

Sand to perfection

Mr. Edison Sir

Keep us in mind you will  
see by the paper <sup>clipping in the</sup> upon my  
news paper that you have a prospect  
that will save you <sup>from</sup> black sand  
Edison you can get an amount  
at a moderate cost indeed I hope  
to write this note - I have 450  
acres title B.S. Patent - with no  
incumbrances, situated on a  
peninsula bounded on one side  
by the Pacific Ocean and on the  
other by Humboldt Bay making it  
perfectly safe for the location of  
any works. There is no Rock to contend  
with tis all sand most of it heavy  
black magnetic sand - every ton  
of which contains Gold some of it  
produces quite largely when smelted  
or treated by leaching process - Get a

not sufficient to pay the heavy  
expense of treating it that way  
Water plenty only expense of Pumping  
up say 10 feet on an average. The gold  
is very rebellious thin scales and  
much of it not perceptible to the naked  
eye - I am willing to give you  
or your agents all the opportunity  
they want to try the sands and  
if they think they can make it pay  
sell or take a proper proportion  
of the proceeds -

If you wish it I  
will send you sample free of expense  
to you - but think it would be more  
satisfactory to you and them that  
they select samples themselves all  
of which I will give permission to do  
My address is care of Tabor, Haskin &  
108 & 110. Cal. St. San Francisco Cal.

Very Respectfully & truly  
Yours  
Wm. C. Martin

Candlewick St. Bay  
San Francisco April 28<sup>th</sup> 1880

Thomas A. Edison Esq  
Windsor Park

Process

I am interested in  
a mine which averages 16% Copper and 26% Gold &  
Silver to the ton - 17% Zinc - Iron 12% Sulphur 26%.  
Will your process save the Copper & Silver?

Indeed I have cut off Concentrator which I should  
like for you to see should you come this way.  
I believe that it will do more work and better than  
any other machine. Should you or your agents come  
to this city please let me know and I would meet  
you at any time

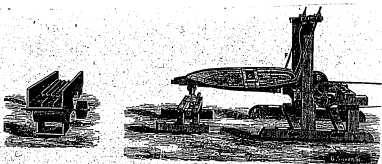
Very Respectfully,

J. L. Church  
2727 California St.  
or at Custom House

One horse power will run four Concentrators,  
weight 5 or 6 lbs including frame which is  
7 feet by 4 1/2 Pan 5 x 3 1/2 height of Pan  
Same as the old Spanish manner of washing in wooden troughs

### CONCENTRATOR.

A, represents the Pan with water-pipe; G, screen-hopper, where the pulp is introduced; H, adjustable discharge gate; FF, adjustable rods for supporting the Pan; E, the frame; D, adjustable stand and roller for regulating the grade to the pan; C, percussion; AB, is a section of lifting and grooved cam (A represents the lifting cam B, grooved cam; combined.)







Mr. J. A. Edison:

Dear Sir:

Resure & have you  
said wanted cobalt from  
we could not work very  
well in winter, we can  
St. Louis, April 25<sup>th</sup> 1880.  
work numerous blocks  
said without coal,

While we are waiting for the  
placer dirt to reach you, which I have ordered  
sent & which will reach you, if nothing  
happens, in about a week, I wish to ask you  
still a question or two that I may be fully in-  
formed in regard to the matter.

In working placer dirt by your  
process do you require much water?  
In other words how much water would you  
have to have? Can you work in cold  
weather so as to run all the winter?

By answering these questions you will  
confer an additional favor upon me.

My object is to understand as fully  
as I can what is necessary in working  
your process.

It will be quite an item in your favor  
if you can work through the whole  
winter. Respectfully,

A. D. Williams, M.D.,  
723 Chestnut Street

Dutch Flat lead

May 3<sup>d</sup> 1880

Prof. J. A. Edison

Menlo Park, N. J.

Dear Sir,

A few weeks ago your agent Major McLaughlin called on me and I went with him to the American River to examine the works of Mr. Dixon who has a process of working hydraulic tailings. I was with him but a few hours and had not time to present to him as I wished, the American and Bear River tunnel project. I however briefly explained to him the nature and locality of the property, desiring him to lay the matter before you. He was favorably impressed with what I told him and promised to make inquiries about, and try to see Prof. De Groot (whose report on this property and project I send you with this) and would on his return give you the result of his inquiries. Since Major McLaughlin left it occurred to me that I had not sufficiently explained the matter.

to him and that you would not have information enough to form an adequate conception of the nature of the property and of the enormous wealth it contains. The Major says he has spoken vividly of me to you (as I have evidence in receiving your photo and autograph which I highly prize) I therefore take the liberty to address you on the subject and will present the whole project as lucidly as I can by letter. The report of Prof DeGroot is so full and exhaustive that I will not go over the ground which his report covers. If you think it of sufficient importance to have Major McLaughlin stop here on his return to N.Y. and examine the property and post himself so that he may explain and describe the property to you fully by aid of maps, diagrams, &c which we will furnish him, I will afford him all the facilities in my power and if deemed essential probably could accompany him East at a reasonable compensation. I have the greatest admiration of you.

transcendent genius and ability, from the reports of the proceeds extracted from the tailings Major McLaughlin sent you from this locality (which I assisted in getting and forwarding to your address) I am almost ready to believe that you have discovered the philosophical stone - certainly no such amount of gold was in the tailings sent you, unless it is that your process performs the work that nature takes ages to accomplish in producing gold. The ancients said Salt - Sulphur and Mercury (opium) will produce gold - Have you discovered the secret of the ancient philosophers and been communing with Paracelsus Lulle - and Titmel who alone seem to have perfectly known the mystery? But I digress, and fear my communication will be encroaching too much on your valuable time, as brief as I can make it, it will be lengthy.

This property, which Prof DeGroot's report will explain, is the largest body of Hydrargyric tailings that is capable of being worked cheaply

to be found in any country. Their richness is known and can easily be tested to the satisfaction of any person. Their extent is set forth in the report of Prof. De Groot, since that report was made 1872 or 3 vast quantities of debris have been dumped into Bear River and its tributaries and the immense deposits yet to wash far exceeds in quantity and richness that now laying in the streams - Their richness has been again thoroughly proven and practically demonstrated this last summer by a Mr. Moulder who dammed Bear River near the site of the proposed tunnel and put in an undercurrent. The only material carried through his works were the lighter gravel and slums, notwithstanding this, the proceeds were large and profitable, the fishets this winter carried away his dam which was not properly built and he was therefore unable to derive the benefit of the quantities of coarser tailing carried down by the fishets. His test was sufficient, however, to

prove the enormous richness of the tailings  
laying in Bear River and its tributaries.  
The mode of reaching them is fully explai-  
ained in Prof DeGroot's report. The most  
of the river is owned by a few gentlemen  
who like myself are not burdened with  
much wealth and are unable to handle it-  
and the efforts to get Capital interested have not  
been made with much energy - without  
your process I believe it to be one of the  
best investments to be found in the state, but  
in connection with your process it is an  
Eldorado indeed. The whole property  
can be secured at a reasonable figure, the  
tunnel is estimated by DeGroot, and when  
completed will furnish the grandest opportunity  
to concentrate and convey the tailings without  
any expense, to your works that is possible  
to have. I send you a map which shows  
a proposed tunnel projected since DeGroot  
report. It is about 2 1/2 miles further up

the river than the other and about 1500 feet shorter. It also shows the gravel deposits which are tributary and yet to be washed into Bear River. When you have examined the report and maps, if you do not desire to investigate the property, will you kindly return them to me as it is all I have and it is very difficult for me to get others, as there was a very limited number of copies issued.

Keeping to hear from you soon and that you will have Major McLaughlin investigate what I have represented to you I remain

Respectfully Yours  
S. M. Glue

San Francisco

May 5<sup>th</sup> 1880

J. A. Edison Esq.

Dear Sir

our process separates  
wax auriferous black  
sand, your sample which  
I sent three months ago  
months ago probably had not  
wax upon it to indicate  
wherefrom 9/10 of our

7  
Over four months 1880  
C. D. Brewster

I sent you a sample of some of the pieces of old and much  
wax, truly five years ago or more - since not re-  
ceived but allowed to become impregnated and almost  
obliterated - I have seen the opportunity, while there is  
any excitement of securing large areas of these long  
forgotten findings for a most nominal consideration  
taking for granted you have found they can be  
worked to advantage by your process. - I hope  
you will allow me to benefit in some manner  
by it - Please state the result of your tests upon  
this particular lot - and the kind upon which  
I would be allowed to avail myself of the use of  
your methods - I am open for any suggestion  
or to co-operate in any manner with you in  
the matter. -

Respt.

Dr. G. H. Lot.

A. D. Cartwright

Room 19, C.P.R.R. Office  
Corner of Market & Townsend St.  
San Francisco



Pennsylvania Railroad Co.

J. City May 4<sup>th</sup> 1880

Prof. Thos. A. Edison

Dear Sir,

Relative to the sample left at your laboratory yesterday, Mr. Coats states that it was sent to him with statement that the parties tried to work it but could not do so satisfactorily and that the sample furnished was in the same condition when dug up as you now see, it is chiefly perhaps the mercury found ~~in~~ the sample, and that there are large quantities of it to be worked when once a satisfactory process is found.

Very Truly  
Yours  
D. O.

Let Coats furnish 3 or 4 lb  
with no mercury in it

002 Cheyenne Wyo May 18<sup>50</sup>  
James Adams  
May 18

Don't work any more  
contingency place only  
Cheyenne Wyo  
May 18/50  
Prof. J. A. Colson  
Menlo Park, N.J.

Dear Sir  
I have noticed several  
articles in the papers lately  
in relation to a process of  
your invention for saving  
fine gold from pulverized  
quartzes in gold mines, which  
particularly interests me at  
this time. I am one of the  
first discoverers in, and hope  
to be one of the leading develop-  
ers of a new gold mining district  
in this territory - Wyoming -  
and should like to secure the  
control of your process for this  
district if adopted to the neces-

ities of the case, It will  
be <sup>117</sup>very ~~large~~ <sup>large</sup> that has to  
be crushed and I think we have  
a rich field to develop, and I  
am anxious to make the most  
perfect success out of it. The  
territory that I would like to  
control embraces about one  
county.

I refer you to  
Mr W B Davis, through Lodge  
P.O. No 34 Pine St - N Y City  
who is an extensive owner and  
dealer in furs, and here to  
Col E P Snow, Collector of Internal  
Revenue, and Prof Murphy Land  
Deputy for Wyoming.

Respectfully Yours  
James Adams  
Cheyenne  
Wyo - Territory

LONG BEACH IMPROVEMENT COMPANY,  
OFFICES, 61 BROADWAY.

THOS. H. SHARP, President,  
SAMUEL LUTHER BROWN, Vice President,  
W. S. BISHOP, JR., Treasurer,  
W. H. LAYTON, Secretary,  
JAMES SHAW,  
THOS. H. PLUMER,  
A. A. BROWN,  
J. P. BRANTON,  
L. C. BRANTON.

NEW YORK,

May 7, 1880.

Prof. S. A. Edison  
Merced Park

Dear Sir  
Some weeks or two since, in my  
visit to your place, I left with you some  
Black Sands from the North Bloomfield  
Gravel Mining Co. mine, which you were  
kind enough to say, you would have  
examined by your assays, and with me  
the results. As your views and "modus  
operandi" express some interest for the  
uses of hydraulic mines, I have waited  
with some anxiety the result of your investigation  
of the sands I carried to you. As I am  
constrained to leave for Cal on Sunday  
I shall not be able to again visit your  
place, and I therefore beg to ask, that  
you will instruct your boy, or write me at  
San Francisco Cal. the result of your investigation

of the North Blomfield Sands

I remember rightly you  
Expressed your intention of visiting the  
Pacific Coast this Spring or Summer.

I should like to see it will give me  
great pleasure to have you in our mines  
which are among the largest of our the  
largest of the kind in the world.

Very truly  
D. D. Johnson  
San Francisco  
Cal.

My money is  
of San Francisco  
of San Francisco  
of San Francisco  
of San Francisco

The one on the smallest can  
give about \$5. to the cubic yard  
the large can with water in it  
give only trace gold -

✓ D. M. Quinn  
Agent  
Sutter brook  
China, Fred. Hummel & Co.  
California, May 11<sup>th</sup> 1880

Mr. Edison,

I enclose  
Having noticed  
an article in the "San Francisco Call"  
regarding your search for Platinum  
and finding gold instead, I take  
the liberty of addressing you in  
regard to the same. I enclose  
a sample of some kind of metal,  
which is here called Platidium  
but I think it denotes Platinum  
you will find on a large scale  
which is certainly Plat. but  
you may find it to be gold, although  
note an other metal. Last winter  
in cleaning up we found quite  
a lot of such pieces - some

Nearly 75 ft high long and half a mile  
wide. A single side would not  
give at a less heat than is  
required for gold. And I find  
that the mines along this  
stream (Trinity River) show a  
considerable amount of this  
metal. If you are desirous  
of testing the deposits along  
this river - either for Plat. or Gold  
I will deliver to a point of trans-  
shipment <sup>San</sup> Francisco, a number  
of samples - as if they can be  
sent to your agent in Cal. to  
be forwarded - I will undertake  
that free of expense.

This Nacoso Mine, Chino Flat,  
is on the banks of Trinity River  
40 miles below the arroyo  
near the county line of Trinity  
and Humboldt. The deposits  
has never been prospected.

Handwritten note: *Handwritten note*

with capital - pt. - I believe  
is part of the still buried  
beneath the soil -  
If the sample should interest  
you enough to reply, please  
address, J. W. Pearce,  
Esq.

Hammond Co.  
Cal.

As we are cleaning up, I would  
like the large flake  
and on hearing from you,  
will be sent by mail.  
Respectfully,  
D. H. W.

Sample is mostly iron but there is a  
small amount of copper. This would make  
price of sample about 1.00 per lb. If this  
old boy likes to see it, I could take all  
they have at that price. In this way I had had  
this consisting of nearly pure and containing some gold

Vertical handwritten note on the right margin: *Handwritten note on the right margin*



Fr Vancouver N.T. May 10. 1880  
Genl Brig Genl O Rappene  
Amd May 18 80

Say that our process is  
the extraction from black magnetic  
sand flow gold the purest the  
Headquarters Department of the  
Iron sand we are already  
for Gray but will be paid  
Adjutant General's Office  
Pvt Vancouver, W. G. May 10th 1880  
them columns in 1880  
that the Colonel would inform  
where ready to give  
for sample just as it  
may be  
permitted back of your  
Newly invented process  
for the extraction of  
gold from the  
is equally & even more  
applicable to the  
of fine gold in the  
lands of the  
too fine to pay by the  
ordinary processes  
at present known &  
to use by miners -  
also. Oby to be improved

Can you do consider  
it so applicable  
if the right to all the  
process in Washington  
Territory can now  
be purchased say so  
at what cost &  
also about the  
amount necessary  
to purchase the  
Apparatus Machinery  
material &c for  
practical working -  
These questions  
are induced by the  
fact that two or  
three small streams  
in the vicinity are  
known to be rich  
in very fine gold  
- so fine, as not  
to be caught in panning

quantity by ordinary  
means -

I write in the  
interest of several  
officers of the Army  
who of the process  
be applicable the right  
due it can be had  
at such rate as shall  
be within our means  
will gladly form an  
association for  
practically applying  
it here  
We most respectfully  
ask for such information  
upon this subject as you  
may feel at liberty  
to give

I am Sir Very Truly  
Yours  
O. J. Sprules  
Fort Bliss, Feb. 11, 1862

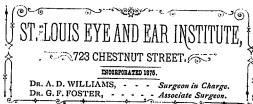
CARRINGTON & CASEY,  
Grain Commission,  
29 & 30 Produce Exchange Building.

WE so far only work placer  
sands & loutings but we are examining  
ores in Situ, so you better send 4 lb sample  
to us through mail for test

TOLEDO, O May 11<sup>th</sup> 1880.

Thomas A. Edison Esq  
Menlo Park N.J  
Syracuse

I have been doing some  
work in the hope of your discovery of extracting  
the Ferruginous Metals from the other substances  
contained in them as they come from the Mines  
of Chemicals & all being away with the  
Explosion & melting forces of the earth works  
We have two parties of the place now  
in Ohio & they have discovered  
several Mines but the grade of ore is low  
\$12 to 200 per ton. On what terms can the  
use of your patent be had for the above  
State? Please for all the information you  
can on the subject. Coal & iron for  
several reliable men here would take an interest  
in the business if you thin person & attention  
to working the ore on a large or small  
scale. The best time will be valuable Mining Camp  
in a few years. 695 Huron St. W. H. Hubbell  
S.D. 0



~~July letter~~  
Samples recd its is good  
Sluemy dirt & the gold is  
St. Louis, May 12th 1889.

Wm O Edison

Dear Sir  
Your letter of 6th inst  
is received.

I learn from Colo that the placer dirt was mailed to you by registered packages on 1st of this month. It may not all come in the same mail. It is original dirt of average quality (at least it is supposed to be).

It is mailed as coming from me here. The place it came from is not given on the tags.

It comes from Placerville Colorado Argy County. If you wish you can mark that on the packages. They are numbered 1, 2, 3, 4 & 5, but the dirt is all from the same place in the bar.

I hope you will let me hear from your examination of the dirt as soon as possible as I wish to determine as soon as I can how I shall work it. The dirt will reach you soon now.

Respectfully:  
A. D. Williams M. D.  
723 Chestnut Street

## The Gold and Stock Telegraph Company,

New York, May 13<sup>th</sup> 1880P. A. Edison Esq.  
Nobles Park N.J.

Dear Sir: As I have not heard from you relative to ores I left for you to assay I will say that if there is not enough I will send you more samples. Please let me know if you need them, or when I may expect to hear from you as to those you now have.

Awaiting an early reply. I am

Very truly yours,

46 E 14<sup>th</sup> St.

J. D. Edgemoan.

The ores were Copper pyrites  
Containing gold in paying  
quantities if worked by process,  
now in vogue -

Mr. Thos. Howard, London, Ohio

Hoping that the information given may be of some use to you, and thus indirectly to others I will close by stating that this is the place lately selected for a harbor of refuge.

No frost or snow interferes with work in the winter. Plenty of water and pressure is always easily ob-

tained. Yours respectfully  
Nicholas C. Sontzen  
Port Oxford, Conn. C.

we have an op. and will separate finer from gold from the sand that we use. It may and will be very fine. I do not mix with much water or sand. Gold sand. It is large deposit of the timber found in the mountains. We expect to have a good amount on that coast next summer.

Nicholas C. Sontzen  
in letters with  
of June 7. 8

Port Oxford, Conn. C.  
May 17th 1840

Mr. Edlison

Dear Sir,

Having read with much interest your late discovered invention separating the fine and almost invisible particles of Gold from tailings, I would like to call your attention to this part of country as presenting a great field for such an invention. A shovel full of sand from our Beach will pass out quite a little streak of Gold, but the particles are so thin that no one here, so far, has succeeded in catching it, or having caught it amongst a mass of the heavier grades of Black Sand, (Blue Black) they can not separate it. The whole country around here is rich in these small particles, so that often a small shower of rain, it will leave streaks of black sand in every little rut on the ground

and by lying down and looking closely at this sand, in the sunshine, we can see the little particles of gold all through it. I have experimented on the Beach upon catching the gold, and did indeed succeed in putting up a rig that would catch it so that the tailings did not show much, but having caught it found it impossible to separate the concentrations, I have on hand a small quantity of these now, of which, with much effort, I took out \$1<sup>00</sup>/<sub>100</sub> by amalgamating and panning, but the remaining sand looks so rich that it seems scarcely to have lost any of the gold. Besides it shows a curious feathery pale bluish yellowish metal which seems heavier than the gold, and a few dark brown or black lumps rather larger than a pin's head, which also seem very heavy. Now I thought that if you will bear the expense of transportation, I would send you what concentrations I have, also samples of the Beach Sand, (top and bottom of deposit if you wish) and any other information you might desire. There is an ancient deposit near here, 10 to 25 ft deep covering several hundred acres, with top dirt averaging from 8 to 48 feet on it, which is considered valuable for its free gold only, while I have good reason to believe they do not obtain more than 33% of it by present methods. Why do I write? Simply from a desire to see some one make use of the wealth scattered around. I have no pecuniary interest in the matter, and do not own a foot of such mining land, nor have an interest therein. Should you desire to make enquiries as to my reliability I may refer you to Mr. Jas. Dickson of Newark, New Jersey, or to A. Crawford & Co. 25 & 27 Market Street San Francisco, or to

H. C. POTTER, RECEIVER OF THE

St. Louis & Port Huron Marquette Railway,

TELEGRAPH DEPARTMENT.

JAS. GREEN,  
Supt. St. Louis.

East Saginaw, Mich., May 17 1880.

Noticed by mail  
J. A. Edison, Esq. own machines etc  
Menlo Park N.J. have none in company

Dear Sir:

I am in receipt of a letter from a friend prospecting in Leadville he asks if I can get him one <sup>or a pair</sup> of your gold extractors for separating fine gold from sand without the aid of water. He wants to know on what terms he can get them. He speaks of two or three of them being in use on the Arkansas. If terms are satisfactory he will probably telegraph to have them shipped at once. An early reply will oblige

Yours truly

Jas. Green





You had better send me  
a pkg say 3 lbs of roasted  
ore to make a preliminary test  
with. - Mark on pkg where from & when  
it may come by mail as 3rd class matter  
W. A. Edison Eng  
Boston, May 18<sup>th</sup>

Dear Sir

The engine I had from California  
in regard to your process, was in  
relation to raising the fineness limit  
of flour gold, so fine that some  
of it can only be seen with  
a microscope.

The quantity is considered to about  
60 or 80 mesh, roasted, and  
pulverized again, so that it is  
almost an impalpable powder.

It is impossible to save much by  
amalgamation, so they are going  
to try chlorination, which is  
more or less expensive.

The ore is now in the shape of  
tailings with all the gold in them

<sup>50</sup> Boston May 15, 59  
If you can send <sup>50</sup> me <sup>50</sup> any kind of <sup>50</sup> ~~book~~ <sup>book</sup> I do not see why your process is not as applicable to this one as to any other.

Therefore would it not be well to acquire one with the nature of your method and the change of royalty &c

Yours Very Truly

R. W. Pratt  
103 State Street  
Boston

from a process  
 to get for each plate  
 100 lbs. of material  
 of contents 100  
 in nearly perfect  
 small quantity  
 can be in stock  
 of the  
 Hagerman Wis  
 May 21 1880  
 Dr. H. Eddison  
 Menlo Park N.J.  
 Dear Sir,

Pardon me  
 for again troubling you but I desire to  
 ask if I could not make some  
 arrangement with you by which I  
 could use your method for extracting  
 gold from the tailings of quartz mills  
 & from black sands. There are a  
 number of mills in this city also running  
 quartz when black sand could  
 be obtained similar to the specimens forwarded  
 to you last fall or winter. If I can  
 become possessed of the method I feel  
 sure that good results can be obtained  
 in the work not many here please  
 answer me early.

Yours truly  
 D. Geo. W. Morrison

am

If this process is not for sale  
Could not figure an agent for  
you. Will you please refer  
of name of agent  
Yours M

107  
Providence RI May 21 80  
W Geo W. Merrill  
agent

Say that the price may be cheap enough  
but could not be used for the purpose that  
I desire them for at that price = 55c per  
great would be <sup>the</sup> <sup>address</sup> <sup>small</sup> <sup>the</sup> <sup>way</sup>  
large limit that we could demand of  
Zinc's in quantities. May 25/50

P. A. Edison N. C. 2 gr

My Sir

Yours of the 21<sup>st</sup>

to hand = Contents noted &c -

I will furnish you with zincs at  
(1.50) One dollar and fifty cents per great.  
Packed and delivered at Colmans Depot  
on the Spartanburg & Asheville Railroad =

I have had other applications to supply  
zincs at good prices = therefore would like  
to hear from you at your earliest convenience.  
Also state what amount you would like  
and in what quantities you desire them  
shipped in. My zincs are of good quality  
and all of them sound =

If you should take a large amount,  
I can furnish them at twenty-four cents  
less per great than the above price stated.  
I would like an immediate reply - so that I

will be able to make my arrangements  
in regard to your order =

Respectfully  
Geo M. McMiner

divided  
Hudsonville N.C.  
for the above  
June 150

Franklin New Mexico May 29/80

Mr. McKim

St. Paul

Minn

present perfected process

is one for washing auriferous

black sands, without water,

might do so perfectly if they sand

If you have some process in your electrical  
discovers, which will effectually & economically gather  
it secure fine gold as it appears in places  
of the mining regions of the West

and are disposed to try it ~~it is possible~~ the gold can be  
practically use

for our mutual benefit than I feel confident  
of being able to indicate the location of many

great rich mines in gold.

The difficulty now is the lack of water  
for washing or it would be occupied.

This difficulty however might be obviated  
by Artesian wells but as it has not yet been done

the opening for big money presents, provided  
some other process can be brought to bear.

I am prepared when necessary to give you your  
references in N.M. and elsewhere

Very truly  
W. B. Douglas



Blackwood DT May 31 80  
John Rowland  
of me  
[Faded handwritten notes and scribbles]

JOHN ROWLAND.

P. O. BOX, NO. 100

Am too busy making up  
practical detail of my  
various processes & legal  
DEADWOOD, D.T. May 3 1880.  
I will soon be ready

Prof. J. A. Edison.  
Menlo Park.  
v. I.

Dear Prof.

Please let me  
know about what  
time, do you think  
you can give me  
some instructions  
as to how to go on  
with the tailings  
scheme.

In your last letter  
you said as follows



100  
Janison City Cal Nov 3, 89  
P. Herand  
W. Ward

Mr. Edison has panned  
the whole of this and did  
not find any gold

E. O. Edison Esq.  
Menlo Park

Sir,

Three months ago  
I sent you some black  
sand to prospect for  
platinum. The package  
here included is for the  
purpose to try it for  
gold. You can do me  
a great favor by so  
doing and also a  
benefit to yourself.  
I can get 12 or 100 pounds  
a day of the same and  
if the result is favorable  
it will not cost much  
to save it and send it  
to you as the claim

is located on the river  
about 40 miles  
It is a matter of great  
interest to me and will  
change the face of mining  
giving you full credit  
for the discovery you made  
I hope that I may  
contribute a little to your  
success.

Yours respect

J. P. Grant

If you charge for  
for the assay I will  
remit the money by post  
office and receipt  
of your answer.

Farmington City  
Plumas County  
June 3<sup>rd</sup> 1880.





AMERICAN EXPRESS COMPANY.

Coblenz, May 24 1880

Mr. W. Edison Esq  
New York N.Y. New York

I am in receipt of your letter of the 1st inst. In answer, I am unable to answer your inquiry with sufficient intelligence. I shall have however for Boulder City on 11th inst. I shall at once upon arrival obtain the desired information and advise you. On or about 15<sup>th</sup> inst. In the meantime if you desire any other questions answered write me at Boulder City. In answer Oct 22

Wm. H. ...  
11th

JOHN ECHOES,  
H. H. BELL,  
H. H. CATLETT.

OFFICE OF

HOWARD ECHOES,  
RICHARD F. BELL,

Schels, Bell & Catlett,

ATTORNEYS AT LAW

Hampton, Va. June 4 1880

Thomas A. Edison Esq.

Dear Sir,

The newspapers are constantly announcing patents to go for inventions some of which if applied to Virginia might prove of great value to our state and of profit to you. I refer, especially, to your patents for extracting gold & separating magnetic ore from the waste. We have a very expensive gold belt in Va. the ore of which, if they could be cheaply & economically treated, could be made to yield an immense amount of gold. Indeed a great deal of gold has been gotten from them by the old and expensive modes of extracting it. If your new mode of extracting gold can be applied to these ores, a large part of the belt could be controlled on the most favorable terms and be made a source of great state & individual wealth. By some attention to this matter you

may be enabled to enrich yourself and at the same time render a most important service to an impoverished state - Can you give the matter a little thought & time?

Yours truly

R. H. Cabell

Will soon be ready for  
business

Sturtevant Van Pelt & Co  
R. H. Cabell  
agent



52 Mineral del Oro June 1880

Geo W Smith

Agely

Mineral del Oro  
Estado de Mexico  
Mexico  
June 8<sup>th</sup> 1880

Professor Edison

Dear Sir

We saw the account published in the New York Herald of the result of some of your experiments in the extraction of Gold from "Tailings"

There is at this place a mine of gold and silver-bearing quartz, very extensive. The gold is very fine and the ore needs to be ground to an impalpable powder in order to secure the metal by the usual milling processes of Stamps and Pans, and after the best efforts so far, there has remained in the tailings from five to ten dollars per ton of mixed bull and silver. Professor James of

California when here, gave it as his opinion that the two metals were in the form of an alloy in the rock. Rock that will assay 300. to the ton exhibits no gold to the eye or under an ordinary lens.

If you have discovered a process by which the gold can be extracted from these tailings at this mine, it may be made of considerable value for in addition to accumulated tailings there will be added the tailings from 25 to 100 tons of rock daily for an indefinite period.

We would like to make an arrangement with you for the use of your process, and if you desire it we will send you samples of tailings as found in the creek below the mill, and as they come from the pans. Please let us hear from you and tell us how large samples you desire.

Geo. W. Smith Mining Engineer  
Lehigh Valley Mill Man

We have no process as yet for Gold & Silver Mill Tailings but are experimenting on the Comstock Tailings, The process which we have perfected is to work black sand tailings from ~~the~~ <sup>the</sup> process & also natural deposits of auriferous black sand.

Paris 9 June 1881

The Edison Engine  
Our process is for working  
plaster block <sup>New York</sup>  
sand & tailings <sup>from Mills though</sup>  
but not <sup>upon that process</sup>  
we are engaged

I have inform me whether  
your invention of an improved  
treatment of the tailings of old  
silver mines is perfected & patented  
in Europe. If so, please give me  
the fullest information & refer me  
to your agents in Europe. I enquired  
at the Telephone Co here, but was  
unable to find any representative  
of yours.

I own one of the best types  
of Silver mines in Transylvania &  
if I find your system to answer &  
reintroduce it, I may be of considerable  
use to you in making it known  
to others. A prompt reply will oblige  
me.  
Yours respectfully,  
Geo. E. Labatt  
4 Rue St Roch  
Paris.





OFFICE OF

ENREKA LAKE & DUBA CANAL CO., Consolidated.

No. 65 PINE STREET

We have made an analysis of your samples and find that 55 cents is the lowest price that 2.10 is the highest. The gravel is of such a nature that we can do very little with it but it is as good as the best hydraulic gravel that I have seen.

New York, June 15<sup>th</sup> 1880

1.40 - 1/20 of Gold per ton

Thomas C. Edison Esq

Marlo Park N. J.

Dear Sir: The long unusually cold winter, and the severe storms we have had in California, and which continued up to the past month, prevented our Co. from doing any work on our Mining Properties, and this the cause for not having as yet complied with your request made to me when I last visited you, to send you the samples of sand & debris - Even today, I regret to state, I am unable to send you more than the desired samples from but one of our Mining localities, but the others will no doubt now very soon follow, in fact as soon as such samples as you desire can be obtained. Accordingly I take great pleasure in sending you today prepaid by Express, a Box containing five samples coming out of and from one of our Mining Properties, and described as follows:

Sample No 1 - Containing 5lbs of dirt taken out of the sluice 700 feet from its head, after clean up was made - the same having passed through a ground sluice 600 feet in length before reaching the sluice from which it was taken - Average depth of Bank 75 feet -

Sample No 2 - Containing 5lbs of dirt taken out of the sluice 1400 feet from its head, after clean up was made - the same having passed through a ground sluice 600 feet in length before reaching the sluice from which it was taken - Average depth of Bank 75 feet -

Sample No 3 - Contains 5lbs of original dirt taken out of the Bank of the Mine 300 feet from the head of the sluice and 100 feet from the surface - Average depth of Bank 75 feet -

Sample No 4 - Containing 5lbs of original dirt taken out of the Bank of the Mine 700 feet from the head of the sluice and 30 feet from the surface - Average depth of Bank 75 feet -

Sample No 5 - Containing 10lbs of dirt from the end of the sluice near the dump of the mine, being the savings

OFFICE OF

Eureka Lake & Duba Canal Co., Consolidated.

NO. 65 PINE STREET

New York, \_\_\_\_\_ 1897

of 100 lbs of the dump as you directed  
Average depth of Bank 75 feet -

When you have finished your investigations  
with the foregoing samples, which if I dare express my  
desire would be as soon as possible, it will then be  
a great pleasure for me to call on you at any time  
you may direct.

Yours Very Respectfully

H. Woodleaf  
Woodleaf



# BRAINARD'S HOTEL.

T. B. BRAINARD, PROPRIETOR

PEARL STREET

Boulder, Colorado, Even 17 1880

*Pro to Pro*  
*Volume No 1*

I. O. Wilson Esq,  
Nursery Park W. J. Near Fair  
Dear Sir  
I have my usual bear 12th. I have  
made careful investigations. I can now advise  
your lot of 1st instant. ~~With regard to~~  
of upward  
pink. The two bags of Yellowish Ore  
No 1. a and No 2. b. were selected from  
the sample of ore of our claims. No 1. a  
was selected with seven ears. The No 2. b  
was taken from the surface or ground level  
of the sample. These Ore, are the same  
as our samples in the Concentrating Mills,  
and put through the washing process. Reducing  
15 to 20 ears down to one ton. At a cost  
of 4.00 per ton for the 15 to 20 tons. The  
Concentrated Ore there is then sold to the  
Smelting Companies. At the old and value  
of 1.00 per ton. The Ore are taken out in this

# BRAINARD'S HOTEL.

T. G. BRAINARD, PROPRIETOR

PEARL STREET.

Boulder, Colorado, 1880

from shaft and tunnels. At various depths according to the amount of water there upon the surface.

Third The Ore can be procured. At the rate of One ton per hour per day, and upward. Long. With a force of men and upon each side. Two to fifteen tons daily South. There are a large number of lodes or mines in this country, which produce this quality of Ore. I think they can be counted by "the hundreds."

Fifth The location of these mines from the Railroad and in distance from 6 to 14 miles. The road running down through the Canon.

Sixth Wood is plenty. Any amount can be obtained. (For mining purposes) at nearly the cost of cutting and hauling. Log from 3.00 to 4.00 per cord. Obtain at any amount from upon Boulder Creek.

# BRAINARD'S HOTEL.

T. G. BRAINARD, PROPRIETOR

PEARL STREET.

Boulder, Colorado,

3  
The middle location for a Mill with water power can be obtained at a nominal cost, if it is desirable.  
Eight. The crossing from the main to Mill, at some central point. With power from one side to four, accordingly.  
Location.  
Ninth. The middle of Tiers, say from 1/2 mile from East. For this Tiers are usually either, which they are all one & the same.  
Tenth. I am safe in stating, that a hundred feet are required, per day. Over 100 feet. It is probably that estimate is far below the mark. There is chiefly the situation of water. I have some means to obtain them. I am sorry for your experiments. And a little part fortune. With for yourself and the success. I shall be happy. August 1st. Or or before July 1st.  
Very Respectfully Yours T. G. Brainard

White River Iron Co.

PITTSFIELD, VT.

June 16<sup>th</sup> 1880.

Send sample marked  
with details as to the  
exact subject you desire  
Prof. Edison we can clean gangue  
Dear Sir <sup>from</sup> any iron ore magnetic  
or not. We notice in the June  
issue of Scientific American a diagram  
of your Magnetic Ore Separator. The method  
seems to be good for our use. We will send  
you samples of our magnetic ore and shall  
return it as a favor if you will test them, and  
advise us if your magnetic Concentrator can  
be well applied in separating our ore.  
Please state the cost of our machines in your  
reply and oblige

Yours very respectfully  
White River Iron Co.  
Alfred Phillips

Melbaide Villa  
Botany St. Waverley,  
Sydney, N. S. Wales,  
Australia

Over

17th June 1880

To Professor Edison,  
Menlo Park

Sir, I would respectfully claim the privilege of addressing you on the subject of your recent valuable discovery in connection with Quarry Reaping, a full account of which appeared in the Sydney Mail and purporting to be an extract from the New York Herald. The many advantages which must necessarily accrue to farming interests, and the adoption of your Patent are too obvious for me to enlarge upon now, more particularly as respects a country like Australia, where Quarry reaping has led to such boundless wealth. - Many of our most experienced farmers and owners of rich claims, have been cognizant of the fact, namely, that had they possessed suitable mechanical appliances to work with, the thousands of tons of Quarries lying idle and treated as mere refuse, would have yielded, instead, the marvellous per Centage of profit set forth in the New York Herald.

It will, doubtless, have come to your knowledge, that a vast extent of Quarry Reaping was carried on a few years back at St. Ann's Hill, N. S. Wales. - Conspicuous among the Reaps were Richman's, Peepers and Holtermann's, Wapton's, Star of Peace, Carroll and Beard's, Rampant Lion - which yielded the enormous sum of £877,943, as per Government certificate; - so it will be readily apprehended that



Boston Mass June 18<sup>th</sup> 1857

Mr Thomas C. Edison

Capacity of large  
washing about 150  
tons of iron either oxide or  
magnetite or pyrites will  
require about 1000 lbs of  
magnetite

Will you be kind enough  
to inform me as to what you  
the sort of the machine recently  
patented by you for separating  
magnetic sand. I have also in  
my possession about the capacity  
of the machine on the supposition  
that the material put in the machine  
is from 1 1/2 to 2 magnetite.  
I would also like to know the cost of the  
machine & how much power is requi-  
-red to run it. How long will it  
take to make the machine after you  
receive the order?

Very truly  
yours

A. W. Keeler

#28 Staniford St

Boston Mass

We have a process for  
telling you ores of Boulder  
Co but ~~is~~ <sup>is</sup> working on them  
I enclose yours is Telluride ore  
washed <sup>by</sup> a 1/2 lb sample mail  
Washed <sup>by</sup> <sup>me</sup> <sup>in</sup> <sup>the</sup> <sup>mail</sup> <sup>to</sup> <sup>test</sup> <sup>—</sup>

Dear Sir,

Will you kindly inform me by return mail if you  
have perfected your treatment of Low Grade Silver and Gold  
Ores by Electricity; I am engaged in the reduction of Silver  
and Gold Ores in Boulder Co, Colorado, and having noticed  
the accounts of your experiments in U.S. you papers would like  
to add your process to my works. Please inform me the price of  
your process if you sell it, or if you charge royalty, also if it will  
reduce both High and Low grade Silver and Gold Ores, and at  
what expense per ton or cord, (a cord, some tons) I am East. an  
a short business trip, would like to hear from you soon. I shall  
most assuredly visit at Grand Boulder Co and my scheme, where we  
have numerous quantities of Low Grade Silver and Gold. I want to  
get the best process, and from the published reports believe your  
process superior to the one I used in promotion in Grand Boulder Co.

Yours Respect

O. B. Wheeler

June 18<sup>th</sup> 1870

Oakland Valley

Sullivan County, U.S. Geo.



at Carson City June 21 80  
P.H. McLean  
a July 2

Carson City Cal.  
June 21<sup>st</sup> 1880

Edison  
The Electric Light &  
Manufact of  
New York City  
Dear Sir

Please inform me as  
to whether there can be a  
magnetic plate made to  
attract the precious  
metals from the sand  
& gravel & if so where  
can I get such a plate  
I should want one 1/2 of  
an inch thick 18 inches  
wide & two feet in len-  
gth - highly magnetized  
Can you tell me where  
I can find a magnet

for Platinum  
your early reply to  
the above will much  
oblige yours truly -  
D. H. McFarlane  
Hildale  
Colorado

Magnets only attract Low  
sand that is black sand,  
We have a machine that  
works the gold out of 150  
tons of pure black sand  
per day - platinum is  
worth \$3. per oz. I will  
take all you have at that price,  
price, send sample

H. A. JOHNS.



H. A. JOHNS & Co.,  
PROPRIETORS

TILGHMAN JOHNSTON.

National Kailin and Fire Brick Works,

ON THE PHILADELPHIA AND BALTIMORE CENTRAL RAIL ROAD,

Brandywine Summit P. O., Delaware County, Pa.

Thos A Edison Esq,  
Menlo Park, N.J.

Brandywine Summit Pa., Aug 21st 1887.

Send a sample of iron  
particles which you have removed

in the Scientific American a machine patented  
by you for the purpose of removing iron from  
other fine materials.

On the preparation of Kailin  
for market a large quantity of pure flint  
sand is washed out of it which could be  
ground and used also in the manufacture  
of pottery, if the small particles of iron which  
it contains, could be separated from it.

Will you please let me hear  
from you, if you think the machine would  
answer our purpose, also giving us further  
information in regard to price, generating  
the electricity for the magnets etc.

Very respectfully,  
T. A. Johns & Co.

If you think it worth while, we would like to send  
you a small sample of the sand containing  
the iron.

Send a sample or we  
cannot do business together

St. Louis, Mo. June 22 - 1880

Wm. H. Edwards

Dear Sir, It some

time since I wrote you I have  
made recent survey the account  
of which forwarded by mail which  
I been under press, those other  
parties have no connection with  
as you will perceive but are  
unwilling to possess the claim  
as well as several others in correspondence  
with me, if you are not connected  
with them please let me know

you shall have the first offer  
the tract, a Range is over 7 miles  
in length & I will warrant  
minerals or no sale throughout its  
length, I do not propose to forward  
specimens as I have too many

Applicants, but will locate a site  
where the minerals can be attained  
by a test without much expense owing  
to the lightness of the drift on the  
tract the test must be made  
by the purchaser or his reliable

Representative, to leave no doubt  
of their Existence in deposit  
in the mean time I require a  
deposit in a bank here as a  
pledge of good faith for the sale  
of said tract - pending the test  
to be fully consummated on the proof  
of a rich mineral by test or no sale

Ans

of remaining mineral  
respectfully J. C. Callahan  
Wm. H. Edwards

Dear Mr. [unclear]  
[unclear] [unclear] [unclear]  
[unclear] [unclear] [unclear]

Please take no stock in  
what you might see in our local  
Democratic press here as the  
editors are devoting to my interests  
owing to their tendency to favor  
other parties that I am opposed  
to

Plattsburgh N.Y. June 27/88  
Palladium  
opponent

Hendersonville, N.C.  
June 28/50.

P. A. Edison  
Waukegan, Ill.  
Dear Sir

Your favor of  
June 27<sup>th</sup> to hand. Write me what amount of  
Zinc-ore you will take at 50¢ per quartz-  
stone and delivered on the Spartanburg and  
Asheville Railroad - at Columbus Depot -  
If you think best to deliver them there,  
if not they can be delivered at this place -  
Answer at your convenience -

Respectfully,  
J. M. Smith

You can send 200 quartz at first  
as a sample ship by freight,  
I will run these through & if satisfactory  
will send a large order -

Carl Weinberg,

DEALER IN

Drugs, Medicines and Fancy Goods, Stationery,

Matches, Books, Jewelry & Druggist's Sundries.

Republic, L. S. Mich., *Journal*, 850

Thomas A. Edison Esq.

Minli Park, Ill.

Dear Sir,

I would like to have  
your terms and some general  
information for the pur-  
-pose of using your pro-  
-cess for reduction of  
gold ore, also whether  
it is applicable to any  
Stamp mill

I am yours truly

Carl Weinberg,  
in the interest of the Gold  
Star Mining Co. of Sherman  
Mining near Custer City, Dakota

Our process is not for mill  
tailings, but for Placer black  
sand tailings or natural deposit  
but we are working on <sup>concentrate</sup> tailings & expect  
soon to finish a process

Red Hook June 25/80  
Professor, Edison  
I never advertised for a manganese mine  
and sample of mine having seen an  
advertisement stating that you wanted  
to get a Manganese Mine i have  
one here which will prove very rich  
and valuable i also have the largest  
Paint mines in Red & Black lead  
to be found in the State sample picked  
from the top of these mines without digging  
gives four lbs of Silver to the ton from  
an assay made at the school of Mines at  
New York for particulars Call on my  
address  
John Traleigh Miller  
Lumber Red Hook  
Dutchess Co N. Y.



OFFICE OF  
*The Singer Manufacturing Company,*  
No. 34 Union Square.

New York, June 28<sup>th</sup> 1850

Thomas A. Edison Esq,  
Menlo Park, Middlesex Co. N.J.  
Dear Sir,

I learn that you have obtained a Patent for extracting gold from Pyrites; and a friend of mine wishes to obtain the management of it for "Australia and New Zealand". The process is said to be a cheap one and my friend says "Edison can make a gigantic fortune and I can do very well with it." My position and surroundings render me peculiarly fit for such a venture, having had to do with the richest gold and pyrite fields in the world, and being connected with one of the wealthiest institutions - the Bank would allow me all the information and assistance to work such a patent.

I wish to learn if this information is correct, and if it is feasible for him to obtain this Patent or control thereof.

OFFICE OF

*The Singer Manufacturing Company,*

No. 34 Union Square.

New York: \_\_\_\_\_ 1882.

Inclosing to forward you a Report of the Bank of New  
South Wales, and in case you prefer to communicate  
direct with my friend his address is

Charles E. Scriven Esq  
Bank of New South Wales  
- Sydney - Australia -

My own references are  
The Singer Mfg. Co. 34 Union Square (above-mentioned)  
The Chemical Bank. An Chambers of Broadway  
Brown Bros & Co. (Bankers) 67 Wall St. Kansas et.  
and many others, including J. G. Smith of the St. Louis, Mo. Co

This is not an idle inquiry, but is  
meant for business.

Hoping to hear from you as soon as possible

We have the process Newman in N.Y., from  
but am not yet prepared for business. James Meehan  
24 Union Square  
two Guyon Electric Light,

Boston June 29<sup>th</sup> 1880.  
28 Staniford St.

Mr. T. A. Edison,  
Dr. Sir,

Your favor of the 24<sup>th</sup> is at hand  
I would like to inquire. - You say that the  
capacity of the large machine is about 150  
tons of iron, either oxide or magnetic. Now  
in your machine does the oxide of iron and  
the magnetite fall together or are they separated?

Very truly,  
A. W. Beckley

The ferrous or ferric oxides as well as  
the magnetite can be made to fall  
together or they <sup>magnetite may</sup> be separated  
from the oxides, but it is difficult to  
separate ferric from ferrous oxides.  
The machine requires 2 horses or  
a small motor of 2 h power





We put up 36 ft of sluicing <sup>10" high wide</sup> & gave  
them 3 ft fall washed about one  
cubic yard of dirt & got about  
50 or 60 cents worth of gold & out of  
it ~~that which~~ we sent to you  
we did not think had any gold  
in it & we knew nothing about  
the silver we thought it was  
not the common black sand  
because we could not take it up  
with the magnet & that <sup>which</sup> is  
<sup>we sent you</sup> not more than one tenth perhaps  
not one twentieth part of the black  
sand that ~~was~~ was in the cubic  
yard of dirt we washed for we  
did not try to save all the black  
sand & we had no quicksilver  
in the sluice & was only at it  
4 or 5 hours altogether & had very  
~~much~~ made up our minds it  
would not pay.

now what must we do  
well we wash out some & send  
the whole of the washing to you  
or will we send the dirt as it  
is & if so how much of it I suppose  
we will have to pay freight on  
it we can furnish plenty of it  
here but would not like to pay  
freight a great deal there.

I'm sorry that we never saw  
sluicing done before we did it our  
selves & have never tried it but  
now & all we know about the  
business is what we have picked  
up without ever seeing gold  
mines at all.

By the by James Andrews is  
working for some man & has  
been for some time which is  
the cause of my appealing  
to you in this case.

we did not think had any gold  
in it. It we know nothing about  
the silver we thought it was  
not the common black sand  
because we could not take it up  
with the magnet. It that <sup>much</sup>  
<sup>we do not</sup> ~~is~~ more than one tenth perhaps  
not one twentieth part of the black  
sand that ~~was~~ was in the cubic  
yard of dirt we washed for we  
did not try to save all the black  
sand & we had no quicksilver  
in the sluice. It was only at it  
4 or 5 hours altogether. It had ~~very~~  
~~very~~ made up our minds it  
would not pay.

now what must we do  
well we wash out some ~~of~~  
the whole of the washing to you  
or will we send the dirt as it  
is & if so how much of it. I suppose  
we will have to pay freight on  
it we can furnish plenty of it  
here but would not like to  
pay freight a great deal there.

I am sorry that we never saw  
sluicing done before we did it our  
selves & have never tried it but  
now & all we know about the  
business is what we have picked  
up without ever seeing gold  
mines at all.

By the way Isaac Andrews is  
working for me now & has  
been for some time which is  
the cause of my appealing  
to you in this case.  
~~But~~ Hoping you will find it  
convenient to give this some  
attention soon I remain very  
respectfully yours  
J. R. Sumner  
Box 15, Pineville  
Georgia Co. Ill

It is not the gold  
that remains in  
the pans of your  
gravel that is saved,  
but that which  
escapes over the  
table.

get too many  
plans from  
over

1000

40 Hicks Street

August 7.

Brooklyn

Thomas A. Edison

Sir,

I have just come here from  
the Black Hills, where I have  
been for the last three years,  
engaged in working over tailings  
from the mills, hunting amalgam  
in the cracks &c. I have a plan  
which could be put in operation  
in every gold quartz mill,  
at very little expense, which  
would effect a saving of at  
least 20% of what they now  
get. I would call on you, if  
you would care to interest  
yourself in the matter, as I  
could do nothing with it myself.  
Respectfully Yours, Geo. S. Crew.



✓  
Brooklyn July 28  
Fred Lewis  
age 16

12. Inizan sheet.

Olson Franconia July 24th 59.

V. W. Johnson Esq.

Dear Sir

Your favor June 24th is received, thanking you for prompt reply.

I have use for several of these machines of from 10 to 20 and more h. p. therefore please permit a few more questions.

1. What will be the price of a 5, a 10, & 20 h. p. engine?
2. Would they be used in A. G. or could they be used here?
3. What would be the difference of running expense between steam & electricity?

Please inform me of all these details, because I would introduce this power at once, and am certain to be able to introduce it numerous modes in our most developed mines, for hauling as well as small purposes.

Your answer is very satisfactory to me, because our some trials were fairly experimented in 1855, to be the same as yours. That the same was would be brought to you by D. W. Johnson Esq. of Franconia.

Copy given to Mr. Johnson Esq. of Franconia



for supplying the Mines of this locality with water for Hydraulic Sluicing, that I am now resident here as County Engineer, being largely interested in Mining, both Quartz and alluvial; I can assure that with improved appliances a large field is open for turning your discovery to our mutual benefit, as well as to the increased development of mining, and consequent good to this part of the Colony.

Now your discovery may be applied, and in what form our connection may take, you can best judge when I describe the modes of Working in this locality, and the nature of the Country to be acted upon. - In the first place, the immediate vicinity of the Township, is an alluvial Diggings being in existence over 10 years, the mode of Working is similar to that in California, viz - Hydraulic ground sluicing.

The gold obtained being exceedingly fine (almost as flour.)

With the rough and careless way of Working in vogue, more especially in the early days of the Diggings, must necessarily have led to a large proportion of this fine gold being carried beyond the short tail races in use, it will then be easily understood that this gold would be deposited in the adjoining gulches, which in most instances have

have but little fall, thus the accumulated tailings for 15 years from the large number of Claims (as many as 500 with 2 men in each, and as at present 100 with 3 men in each) would create an enormous area of tailings containing fine gold to be acted upon, if I am right in my supposition, that your discovery is applicable to alluvial tailings.

It formed part of the Water Scheme to which I above referred, that a Main Sludge Channel or tail race, 10 Miles long, was constructed, and is now in use, (this might be utilised to the saving of gold.

I would now refer to the Quartz reefs -

This part of N. Z. is about 2000 feet above the level of the sea, and intersected with Ranges, towering  $\frac{1}{2}$  to 6 thousand feet above that level.

Quartz reefs abound, but want of Capital and population has delayed their earlier development.

I am largely interested in two reefs now being worked, in the one instance, I may safely say that the stone is capable of turning out 6 and 7 ounces to the ton; with our primitive methods of extracting gold, and the antagonistic minerals we have to contend with, have had the effect of rendering this mine to us almost worthless: - The other reef in which

Sam interested has returned 2 1/2 ounces to the ton  
and doubtless the same quantity of gold is lost.

In these instances there is no large accumulation  
of tailings; but in other portions of the District  
say within a radius of 50 Miles - there are at least,  
12 Quartz Mills at work with accumulated debris.

I omitted to mention that in my  
County there are 10 or 12 Digging Townships, where  
Hydraulic Flushing is being carried on, - the  
nature of the wash dirt in most instances being  
a fine Quartz drift - carrying fine gold.

I would also state that Lumber  
is exceedingly scarce in the County; we send  
to Dundee, a distance 90 Miles for it, Cost of  
transport - £4 - - per ton; but lignite abounds in  
unlimited quantity.

If you consider this County as a  
field for your gold saving discovery, and  
myself a suitable Agent to its introduction, <sup>and the Company</sup>  
I will with my best energies cooperate with you  
in effecting the desired result.

I remain  
Sir -

Your Obedt. Servt.  
Rich<sup>d</sup> & Broome & Co.  
Manitowish County, Wisconsin.



Philadelph<sup>a</sup>.  
Jas F. Kelly  
July 7<sup>th</sup> 80

is in working order I would  
take some to your works for  
trial. Would a shot bag  
full of the putty might or be  
sufficient to make the test?

An Early reply is desired.

Yours Truly  
Jas F. Kelly





OFFICE OF THE  
**Auditor and Clerk**  
OF THE  
CITY OF PORTLAND

July 9 1882

Thos A Edison Esq  
Mills Park St

Overs

Sir: overs

By request of a friend I write you concerning an intention for saving fine or flour gas. Said to have been made by you. The party to whom I refer has a tract of land covering some acres on which the washed dirt is from 6 to 8 feet in depth and thoroughly impregnated with fine gas. Under the old method of work, with chisels and quick silver the mine pays an average of about \$1.00 per day to the hand. Having been informed that you had perfected an arrangement for saving fine gas which for exceeds the old method. I requested me to Communicate with you. If you can find time to answer this



288

Our process is for working  
 Black sand containing rusty &  
 flour gold. If your friends deposit  
 is a black sand one I can  
 give him what is required but  
 if it is mostly quartz sand  
 can do nothing

Instead of paying  
 \$10000  
 \$10000  
 \$10000

You will confer a great favor on our admnistr  
 of your honor  
 Respectfully  
 B. D. Burnham

We cannot undertake to go into  
mining but can furnish machinery  
that will work clock and deposit  
with the greatest economy & facility  
with the greatest speed. W. M. July 10/88

J. A. Edison  
Minto Park N. J.  
S. P. N.

In reply to you of 24 letters  
found on my return from an absence of some  
days I beg to state that while there are no  
"placers of black sand" in this vicinity that I  
am aware of you I am sure of being able to  
indicate & indeed supply claims of that charac-  
ter if proper inducements are offered one in  
the way of purchase; an interest in profits however  
preferred & if agreeable a personal supervision  
of the operations if conducted at the mines at  
such salary or compensation as would be  
proper for such services on my part.

Hoping further upon the subject from you and  
promising when necessary to satisfy you fully as  
to my reliability, I am, Sir,  
Yours very truly,

J. A. Edison



inches of gray sands. Besides this pure black sand there is a great deal of black and gray sand mixed, which carries a good deal of feld-  
I sometimes think as much as the pure Black-

But the deposit I write you about is pure black sand just such as I want, of course I do not and did not claim that the deposit would average as good as m 1 but I should think it safe to say it is as good as m 2 and m 3 mixed, I have not time to say more at this time except that I am greatly pleased with the results of the samples I shall try and arrange to get East as early as possible. And I appreciate your prompt attention to the matter. You did not tell me what one of his machines with necessary power will cost. Write me. I will write again and send samples of sands.

Mr Edison: Could you favor me with the cost of one of the machines and the power to run it? I should be pleased to send him the information. When I receive the samples I will either forward them or bring them down.

Respectfully  
St. Pitt Dorrel  
28 New St. New York

B. N. Stevens, M. D.,

Physician, and Surgeon

Office--North Side Public Square.  
Residence--West Side School House Square.

Our machine is to work pure black sand  
containing flour gold <sup>Chillicothe, Mo. 1844-1848</sup> found at many  
places along the Oregon Coast <sup>San Bernardino 1848</sup>  
Some deposits which contain <sup>some siliceous</sup> black sand but it will  
hardly sand mixed with the <sup>of California</sup> profits generally of fine  
gold pay we sell the machine at cost <sup>of \$1000</sup> I would to ask you  
some questions in regard to your invention for  
separating fine gold from sand. I have some  
relatives living on the Oregon Coast--they have  
written me several times about the sand, saying some  
parts of the coast containing quite a percentage  
of fine gold but say they have no way of separating  
it to make it pay--what I wish to ask is what  
do you propose to do with your invention?--Do you  
purpose to sell the right to use it in certain territory  
or do you intend to establish agencies--and take a  
per cent of what is made by the working of the  
apparatus, my father lives on the coast and is a  
practical miner, if any arrangement could be  
made with you for that part of the country  
I should be glad to know it.

Respectfully yours  
Byron N. Stevens

We can work black sand ~~conts~~  
conts flow mostly flow gold so fine  
that you can't see it until pan it  
do it with the greatest economy &  
ma July 13<sup>th</sup> 1890  
facilities require no water  
Give me more information

Mr Edison Dear Sir

I see by the papers that you  
has found out the process to save  
gold out of the black sand & tail  
ings of mines I would like to know  
on what terms I could get your rocks  
as there is tons of sand sluiced into the  
Trinity every month also if Platina  
is ever found in quartz I worked about  
14 years ago on South Fork Trinity  
& to every \$10 I. had we would get about  
2 lbs of Platina & used to pick it out & then  
a way as the man that bought the dol  
would not take it if left in & there  
was a ledge of half decomposed quartz  
& when we went above it we got nothing

To  
Liviston Oct 9th 1850  
Alex Mc Gregor  
Camp 9, 21

& I have not been back there since  
but if I thought that platinum was in  
with the gold I would go & prospect it  
I would have return soon but I miss  
is laughing at me says that no man can get  
gold where it is not to be seen I have search  
all ledges ~~but~~ but the gold is as fine as  
flour but if I had the means I would  
work some of them but I work by  
the day & has to support wife & family  
in Canada I shall enclose stamp  
& please to answer soon

Yours Truly  
Alex Mc Gregor

Liviston Trinity County  
Cal.





Ophidomyia 444

Sept 16, 1880

Mr. W. H. Johnson

Mount Park, W. Va.

According to promise in my letter to you of June 4<sup>th</sup> I write you from Boulder City, on June 16<sup>th</sup> enclosing you a copy of the paper which I have been sending nothing having come in a letter on this to the same my brother Mr. F. W. Boulder City. The paper has been called upon by the young men: Wm. W. Christy & J. K. Harrison representing themselves, as from Edinboro Academy, Mount Park, W. Va. They were

2) my naturally asked. If they brought any  
letter of Introduction from the Colonel. The  
answer was No.

One of these Friends  
to know all about the "Sun Bury Case"

I met you on May 18th. During the  
actual trial in No. 1. a + No. 2. B.  
Why the discovery of cash. Why stating he  
could treat William Case. &c. &c.

It had they stated. They had left your  
company and had come to Albany to  
go into the business. They are driven at  
quite important. Now shall be apprised of  
these things from further operations.

If you have arrived at a definite future



Process is for water any Bell  
from about forty Blawiegs  
Cape City, Md. and other  
Cape City, Md. 1870  
Cape City, Md. 1870  
Cape City, Md. 1870  
Cape City, Md. 1870

OFFICE OF

A. WIENER & CO.,

DEALERS IN

Best Quality  
Machine Superior Supplies,

Drilling and Lubricating Oils, Stearine Mining Candles, &c.,

136 & 138 RIVER STREET,

Cleveland, O. July 16<sup>th</sup> 1880

A. Edison Esq  
Pondula Park N. J.  
N. J.

Will you be kind enough  
to send me information  
regarding your process for  
separating gold & silver from  
the rock or sand. Also  
whether the process is adapted  
for use at Pecos diggings,  
and if your process the usual  
quantity of water for washing  
is dispensed with or not.  
Will be pleased also to  
know your terms on  
which the process may be  
used. Awaiting explicit  
information in the matter  
I am yours Respy

A Wiener

Don't believe there is a grain  
of platinum East of the Sierra  
Nevada mountains - If you come  
across a big deposit of fine black sand  
with gold & can  
cutting flour or <sup>with</sup> ~~mountain~~  
work it & a charm -

M<sup>r</sup> J. C. Edison

Mauck's Park, N.J.

July 11. 1880  
Dear Cousin

Since leaving  
Ontario over two years ago I have been  
knocking around in the mountains  
prospecting, and when in Fort Benton  
I first heard of your inquiries for Platinum  
two weeks ago I ran across an old &  
experienced miner who claims to have  
discovered a very rich "Platinum" lode  
after satisfying myself he was telling  
the truth I decided to write you to  
first gain some information concerning  
that mineral before starting out  
with him after specimens. This miner  
tells me he ~~first~~ discovered the mine  
two or so ago, and not being certain  
as to the mineral "as he had not seen  
it before but had frequently heard

it described by Prof. Hayden who  
he had been with for some time."  
he took several specimens to a Physician  
at Fort. Quitter who applied several  
different tests and pronounced it  
Platinum. He then called on Dr. [unclear]  
of South Pass City Wyoming and [unclear]  
the metal to him who also pronounced it  
Platinum. If your answer is favorable  
I will start out <sup>to</sup> see the mine and  
get specimens to send you and then  
can give you a full description from  
personal observation. What I want to  
know is the surest & most practicable  
tests for it, the marketable value & the  
shortest & best method of bringing it  
into market, any further information  
you might deem valuable would be  
very acceptable.

Address. In care of  
P. B. Clingman  
Fort. Quitter, Montana

Respectfully Yours,  
J. M. Edison

1-

Paris <sup>to</sup> July 19<sup>th</sup> 1880

We can work the Black sand  
cheaply & in great quantity  
D. of J. O. Callahan (greatly sand  
D. of J. O. Callahan (Black sand)  
Mexico Park Mex  
have you

Dear Sir

Yours under date of 16<sup>th</sup> inst  
was duly recd. for which please  
accept my thanks. After I recd your  
statement as to your analysis of the  
sand. I wrote Jas. D. Smith by request  
the Edison Ore Milling Co. but to  
this time have recd no reply.

Fellowing principle that our present  
mode of concentration was not  
efficient or good enough to work at  
sands that would only turn out 1/10  
of gold (as you report) for ton. I had  
like the latter Corp. write I could  
make further investigations at the same  
time, was surprised at my self to  
think that I had possibly made



such a mistake in the calculation of  
 my own assays, trusting that you—  
 through practical skill, would find  
 any mistake on your part. But I  
 have lately made another careful assay  
 and to my astonishment, has turned out  
 very similar to my first. You may  
 say that the sand is very rich in gold,  
 which looks even favorable to the  
 correctness of my assay. I very much  
 wish to ascertain some better method  
 of concentration, and will enter into  
 negotiations with you or your Company.  
 If I can get some definite ideas  
 of your methods of working, and know  
 your terms, you ask for further  
 particulars in reference to the gold—  
 or sand, and speak of "assaying"  
 in connection with the gold.

3

The sand sent you, was taken from  
 a dump after it had passed through  
 the old fashion. sluice box—and the  
 traces of mercury found, is what  
 was left—when an attempt was  
 made by Mercury—to get the fine free  
 gold—and I am satisfied it has  
 a massed with the other metals present  
 as well as the gold, under stands that  
 every particle of the free gold was taken  
 out of the sand—that we could take out  
 by washing & amalgamation, one mass  
 can be use of some, amounts as  
 much as 4 tons of this sand Friday  
 after taking out the free gold in nuggets  
 or fine gold as it may appear.

Gold is found in good paying  
 quantities, & a mass of the sand  
 on this Placer and I have assay



HENRY W. PEABODY & CO.

*July 23  
We will test anything  
you will send*

114 State Street

Boston July 22/1880

Prof Thomas A. Edison  
Menlo Park  
N. J.

*1  
Boston  
July 22/1880*

Dear Sir

We have received from friends of ours in Australia a small sample of a metal new to the world, but being of value, believed by them to meet the difficulties of the connecting platinum points, in the electric light, and of this is so rendering it of great value.

They wish us for them to offer you the sample for test and if successful, to secure patent, according to you are first interest in same.

We are have seen the sample nor heard of it and we only desire to have your approval of the mode of procedure, before sending you the entire information given to us.

Your early reply will oblige  
Yours very respectfully  
Henry W. Peabody

JUAN B. MAINERO T.

CARTAGENA

Cartagena (Colombia) July 24<sup>th</sup> 1880

Thomas A. Edison Esq.  
New York.

your paper for  
very very nice &  
the and I am  
by please

Sir.

By several American news-  
papers I have been informed of your having discovered  
a process for extracting, by electricity, the metal  
contained in the sands and scorias of a mining place,  
by which process, such a thing can be done at a  
very small expense.

As you have already discovered  
so many useful things, which are now in operation,  
this one has not astonished me, so then, I take the  
liberty to address you this letter in order to acknowledge  
you of the following circumstances for you to think  
on them: - I am a partner of a mining enterprise  
on an auriferous silver mine within the territory of  
Colombia, which mine we are working under the  
german-english process, that is to say: melting,  
concentration and cupellation, which, as you must  
know, do not allow to elaborate minerals of a va-  
lue under \$20 per ton. The same is the case with  
scorias of said auriferous sands, containing gold at  
the rate of 1.10% of silver, with a value, as per bushel  
made with the blowing pipe, of 60 to 80 cents per quin-  
tal, which amount frequently amounts to \$1.00

As regard to scorias, and process now

50 millions of pounds, the lowest price of which, as per successive trials by the blowing pipe, comes frequently to ~~10~~ <sup>hundreds</sup> per pound.

The mining Company, of which I am a partner also possesses at a very short distance of the already mentioned minerals, water in abundance; mineral coals, at a cost of \$2 per ton, very near the furnaces; Chalk; limes; gravels; gypsum and many other elements. There is also abundance of working men at a cost of 50 to 60 cents per diem, who are very good laborers, and finally, fuel is very cheap, and easy to be got the necessary pecuniary resources at the rate of 6 to 7% interest per annum.

I give you all this details for you to consider whether it would be convenient to you to make some proposals to said Company through me for elaborating the already mentioned minerals by your process.

I am sure that you will find among us the best wishes for making an agreement which will be of some advantage for both parties.

Awaiting to be honored with a reply, I have the pleasure to subscribe Sir

Yours respectfully

J. B. de la Roche

J. W. MUMPER.

J. A. EICHELSBERGER.

GEO. W. EICHELSBERGER.

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MANUFACTURERS OF

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THREE FORGE P. O.

Camden, Pa. July 26 1880

N. A. Edison Esq  
Mills Park N. J.

Have noticed several statements in regard to your machine for separating iron from sand and address you for more perfect information as the machine would be very valuable to me provided it will separate small particles of iron ore from sand. If your machine is to your judgment capable of doing this I would like to send a sample of sand and ore, such as I have, for trial. A prompt reply will greatly oblige, Yours etc J. W. Mumper

007 Post Major General O'Donnell  
Sept 9, 80

Headquarters Department of Columbia

Washington, D.C. July 27<sup>th</sup> 1880

My dear Sir -

Yours of May 18<sup>th</sup>

has duly reached -

owing to the extreme  
high water prevailing  
in the whole section

of Country I have  
been delayed in sending

you desired samples of  
sand. To day's mail

bring you a 3 lb

sample of black  
magnetic sand, marked

O'Donnell

"Catalog" It is a fair

Sample of found  
valuable I may say  
the sand exists in  
unlimited quantity,  
perfectly easy of access  
& can be managed at  
least possible expense

If this sample seems  
worthy of attention I  
shall take pleasure  
in finding other samples  
from other points, if  
desired -

I enclose herewith  
the result of the washing  
by hand of them on four  
"sieves" of sand from  
a point in the neighbourhood

vicinity - The amount  
would seem to indicate  
considerable richness  
but whether or not.  
Your process would  
be as applicable  
I think to the  
place in new number  
Water - but I am  
told it is washed  
from "black sand"  
to the shore of a lake,  
high & dry except for  
a month or two at  
very high water -

The people however  
giving me the samples  
are not educated  
people at all &



Therefore I do not  
know how much  
only upon their  
statements -

Have considered the  
sample as "Staggard  
Lake" & I should  
be much pleased  
to hear from you  
again at your  
leisure if either sample  
attracts your attention  
For Milling Co's attention

Very Truly  
Yours

C. D. Brown

Box 1717  
N. D.

10/10  
0.42 gold

I think you assumed him for that  
46 E 14th St New York  
say the present in Paris 22 columns of 2. <sup>70</sup> per ton  
New York July 28<sup>th</sup> 1850

J. A. Edison Esq  
Franklin Park N.J.

Dear Sir: I am quite anxious  
to hear from you in relation to the Ores I sent you  
and also that you should allow me to make  
the statement in our letter that we are to  
have the use of your process (upon reasonable  
conditions) of reducing ores in Mines in which  
this Company may have an interest, upon receipt  
of a letter from you to that effect. I will come to  
be transferred to you, we own look two  
thousand shares of the stock, and send you  
certificates of the same, par value \$10 (Ten). Last trans-  
fer was at \$2.50 (two <sup>50</sup>/<sub>100</sub>) per share and never been  
put upon the market, its property is several  
valuable mines and other interests also  
the best stamping mill now erected, having a ca-  
pacity of over 100 tons per day. No other mill we  
made to do 1/10 with same power strong which we  
have orders for more than we can make the full  
at \$15,000 to \$20,000 each. Charles Burleigh inventor of  
the Burleigh Drill say it has never been approached & can  
do more than 10-15 Stamp Mills, N.Y. <sup>Dr. J. A. Edison</sup>  
New York July 28<sup>th</sup> 1850

please let me hear from you at once

hold  
Will answer  
soon

over

Atlantic City, N. J.  
July 29<sup>th</sup>, 1880

J. A. Edison Esq  
Mills Park  
New York -

Dear Sir:

Through Mr J. J.  
McMillan of Paris Bourbon County Ky -  
I have received two reports of sands, ~~from~~  
which was taken from "Rock Creek" Wyoming  
Territory, from these reports I feel highly  
elated, emanating from such a source as  
they do, - and to give you my reasons  
for this elation, I will describe, and  
explain the property I have control of, with  
its facilities for working, Aids in lieu there  
of, ask your candid advice, not, however,  
wishing to intrude upon any secret you  
may have developed, in your researches, in  
the concentration or manipulation of these  
sands, - But solely to learn, that if, properly

treated there is to be a profitably return from  
the sands, exclusive of the free gold.

The Company that I am now just  
Sept, own 15 miles of a gulch or  
Creek, known as "Rock cut" Prop., averaging  
400 ft in width, that will give in  
free gold, exclusive of sands, and other  
material, on an average of  $1\frac{1}{2}$  cts to the  
pan, or 162 cts to the Cubic Yard.

I am preparing to put in a "bed rock" flume  
with a grade of 2 inches to the foot, and  
a Hydraulic pressure of from 60 to 100 ft.  
With this hydraulic I can sweep off the  
surface, or earth, and pass it away through  
my flume, I can also, rid myself of a  
large portion of the gravel, in which the  
gold is disseminated, also the "Bull" sand.  
And in clearing "Bed Rock" can the left  
sands, through "Sluice boxes," with a simple  
contrivance. If you, or any of your associates,  
have experience in this style of mining I  
would be glad to have your opinion. We have  
no large boulders, and an abundance of water

The material in which you got the <sup>Analysis</sup> ~~Analysis~~  
came from the Tail ends of Sluices, used  
by Chinamen, from the grounds of which,  
they received small returns, I was surprised  
to hear that it was very rich, yet have no  
idea how rich it was, from your analysis,  
I would be very glad to have you  
Correspond with me, and any suggestion  
you may make, or information you  
may want, will be readily furnished, through  
our Secretary J. J. McWilliam —  
I am Sir

Yours Respectfully  
A. L. Lusk  
Genl Supt Rockwell  
Mining Co  
Mts. L.

Better than all you black sand  
Concentrations, we have a machine  
which will separate flour or  
rinsy gold from black sand at  
the rate of 150 tons per day the sand  
should be dry. Cost machine about ~~2500~~  
# 2500. Cost running through about 8 cents per ton  
~~superior to, better than, than~~



cost of me anything  
we share interest & share  
in the enterprise & what  
I say I can satisfy anyone  
that will come to see me  
& not to my responsibility  
& for nothing & I refer  
you to Walker Bros  
the Bankers & Merchants  
Salt Lake City.

I am satisfied  
that a company can  
be formed in your vicinity  
to work the same & some  
money be made for all  
of us. I will send you  
some of the defect kinds  
if you think we  
can do anything with  
it & I will go to the  
mine & get some this  
fall & send you specimens.

If you want I will  
show to you 1400 lbs. of  
lead & get them & I  
have some lead at home  
from 1 Gold & silver ledge  
& 2 small ledges. That was  
sent to me this summer at  
my request for my own satisfaction  
& if you wish I will  
send it to you.

Yours truly

A. J. Taylor & Sons

P. M.





on Timothy Driscoll  
West Point Or Aug 16 80  
A. Aug 17 80

The Colman Eng  
Mach. Works  
Perry City  
California

(Aug. 7 1880)

Our process is for working black  
sand containing flour & metal gold  
we sell the washing at cost & take a  
royalty per ton = send us your  
sample & we will assay - will be  
P. O. Edison Eng. Best of surprise  
happy to assay any kind of suspicious  
rock you send free of charge. Dear Sir  
We wish ~~some~~ <sup>with sample</sup> information  
concerning your process for  
extracting fine gold from  
tailings or sand, by electricity  
or sand separator; having had  
many years experience in mining  
we know of many places rich  
in fine flour gold and rusty gold  
that has been abandoned and is  
laying idle on account of not  
possessing any process to save the  
gold, we want particulars, how  
to secure your process, by purchase  
or on shares, partnership, &c.  
We have discovered what we believe  
to be a ton mine, and should you  
consent, we will send you sample  
for testing, as there is no one we

have met here that appear to  
know any thing about tin. what  
little I have learned by reading  
of tin I think it is the black  
oxide and much resembles stone-  
- coal we believe it is valuable  
- but do not wish to trust -  
- Assayers with it - but believe  
you will tell us the truth  
about the richness of it  
We Remain Respectfully  
Yours { Tim Driscoll  
N.S. Coover

please state how we  
should send specimens of  
the ore or samples of sand  
also if you wish  
Tim Driscoll

Please answer and  
Address  
Timothy Driscoll  
West-Port  
Clatsop Co.  
Columbia River Agn.

note filed by  
about Aug 7<sup>th</sup> 88

HIGHEST RATE  
PAID FOR  
GOLD DUST  
AND  
GOLD AND SILVER  
BULLION.

Office of

R. B. HIGBEE,

W. O. W.

Dealer in General Merchandise,

Silver City, N. M. Aug 9 1882

J. A. Edison

Ulen's Park U.S.

Dear Sir

Your favor 19 ult at hand  
I have deposits of auriferous sand &  
Gravel containing some black sand  
the sulphuret Ulen's are being  
worked & have been for 20 years by  
the formiline Craster process at  
a profit the Ore working from 6¢  
to 75¢ per ton. When you have your  
apparatus completed I will be  
pleased to have you send a good man  
with our down here & I will sever  
claims of 20 acres each against  
it & will assist in the mining. It

will be only a question of the  
success of your invention. for  
I will guarantee that the  
claims contain the gold  
I may come to New York  
late this fall & if I do will  
call at "Munro Park" again  
to see a working list of the  
new process

Very Respectfully Yours  
R. B. Bigbee

B. N. Stevens, M.D.,

Physician and Surgeon

Office--North Side Public Square.  
Residence--West Side School House Square.

Chillicothe, Mo., Aug 19<sup>th</sup> 187.

Prof. G. A. Cahoon  
Minto Park N.J.

Dear Sir,

Your letter of Aug. 9<sup>th</sup>. duly received I have written my friends in Oregon in regard to the cleanness of the sand from Lick's.

Now will you please tell me the cost of the apparatus and also what what-royalty you accept for use of same?

Very Truly Yours

The cost would depend upon the

size a 150 <sup>per day</sup> ton machine B. N. Stevens

would cost here about \$3500.

It would want about 8 or 10 cents

per ton royalty if the sand was such clean if poor with a pair of mules

& 1 man 150 ton could be run through daily if brought to the machine the cost of running through would not exceed \$5. per day

So the profits will depend on the amount of richness of the sand

Cahoon's letter to Stevens

002 Sparta Or Aug 17, 80  
W N Kenner  
Sept 9, 80

After reading  
the memo you will  
see that you  
will not be  
able to get  
any more  
of this  
kind of  
minerals  
here for  
any

Aug 12, 1880

Sparta Oregon

Mr Edison

Sir

In reply to yours  
I will say that the  
sample sent was  
concentrated the supply  
of water is unlimited  
Wood not very plenty  
in the immediate vicinity  
but plenty in three miles  
Now I trust to know  
whether the sample  
sent contained Gold  
of a character or color  
that could not be seen  
by the naked eye. There  
is Gold enough to pay

for concentrating to be  
saved by an ordinary  
mining process there is  
no limit to the amount  
of sand though there is no  
deposit of sand alone  
it can be concentrated  
very fast. there is from  
one and half Pounds  
to three pounds to an  
ordinary Gold pan of  
Gravel

If there is Gold  
enough to make it rich  
that cannot be seen  
by the eye you will  
confer a favour by letting  
me know

I remain Yours

W. B. Dimsom

NY Aug 12 58  
A. Constable  
Aug 19

file on willing

HARPER & BROTHERS.

Our process of for cooking the black and  
cuttings of the great ~~Harper & Brothers~~  
mine of Paterson - ~~337 PEARL STREET~~  
~~FRANKLIN SQUARE - NEW YORK CITY~~  
Paterson - We also have a process of  
for washing low grade sulphurates.

Thomas A. Edison, Esq.  
I will file your letter in Pearl Park  
for further action ~~with~~ ~~the~~ ~~best~~ ~~interest~~ ~~of~~ ~~the~~ ~~company~~ ~~and~~ ~~the~~ ~~public~~  
Dear Sir,

I intrude upon you on  
behalf of my brother Isaac Constable  
Constable of Sydney, New South Wales,  
who has been for many years  
heavily engaged in business  
operations in Australia & New Zealand.

I enclose an extract of a  
letter from him bearing date  
June 17, 1858 which is submitted  
to you in the hope that you  
may find time to inform me  
what reply I can make to his  
inquiries. If you can



see anything on his suggestions,  
I would, at your pleasure  
come out to Brook Park &  
have a personal interview  
on the subject.

I may say for your information  
that I am the private secretary  
& confidential clerk with  
President Harper & Mathews, a position  
I have held for some years.

Enclosing a stamped envelope  
for your reply. I am,  
Dear Sir,

Very faithfully yours  
A. J. Constable.

## Extract.

I see great accounts in the papers  
of the wonderful discoveries of Dr  
Edison of electric force. They say  
he has invented a process for  
taking gold from quartz that is  
likely to be a great success. I am  
sure I hope so. This has been  
a day-dream of mine for years,  
and about six years ago when in  
Auckland, New Zealand, I spent  
a small fortune over a patent  
I took out for that purpose.  
I smelted with a cheap flue  
furnace of the kind, which I  
found very good as a flue,  
but I was unable to obtain

skilled labor to manage the farms,  
 so I had to abandon it - now  
 the account of Edison's success  
 has revived the feeling, and I  
 am taking up large quantities  
 of tailings or refuse from the  
 quartz machines - of these there  
 are millions of tons in Australia,  
 and you might assist me in  
 this by obtaining for me from  
 the Government the appointment of Agent  
 for the Colonies on shares with  
 permission to secure Patents here  
 for him. I do not want any Cash.  
 I can get plenty of that, if I  
 had the agency - taking a share  
 for any outlay & trouble.

207  
Lamb's Bridge Cal Aug 10-88  
Capt H. Stull

Sept 9, 90  
Sent me a copy of this  
letter Sept 9

copy to sample  
Walt - sample  
has not come in yet  
I will pack one  
to you by the 10th  
to the 11th and

Lamb's Bridge Cal

Aug 15, 88

Mr J. A. Edison.

Dear Sir,

In answer to your letter in  
regard to the concentrations  
of black <sup>and</sup> which I send you  
I will say I obtained the  
sample from the sluice box  
of the Cossumnes Canal  
& Mining Co of Hilltop 5  
miles below here. This  
mine is in Sacramento  
Co. 9 1/2 miles south of  
Michigan Bar. This Co  
are rich. Own 20 miles  
of ditch dug 2 to 3000 in  
of water. They are washing  
out an immense gravel  
blow & clean up \$8,000

to \$10000 every 4 to 6 weeks.  
I dont know how the sand  
lays. Would advise you  
to write to H. C. 189 and  
Supt Cossumes Canal  
& Mining Co. Michigan  
Bar. Sac Co. Cal. for  
full particulars.

Laumbel  
Bridge is in the S.W.  
Corner of Amador Co. 5  
miles S. of Latrobe & 12  
miles N. of Iron City. I  
own a Copper Mine here  
and making Copper. My  
time is so fully taken  
up that I cannot possibly  
find time to investigate  
the gold mines here for  
black sand. However  
any directions you may  
want I will do the best  
I can for you.

You will find black  
sand near the Bay  
of S. F. than higher up  
in the mountains.  
The C. C. M. Co mine is  
in the lower foot hills  
about 375 ft above the  
sea.

Hoping this will  
be satisfactory I am  
Yours  
Capt H. Still.

of Naomi Todd  
No charge for any a Aug 31, 80  
and mail -  
Name and etc  
Forest City, Minn  
16 Aug 1880

Prof. Edison Sir:

I have in my possession some specimens of quartz from the East.

I think there is silver in them and possibly gold, they are from a vein that has been assayed and pronounced valuable, but owned by other parties.

Do you examine specimens for those that desire to know their value? if so how much in weight must be remitted?

Can I send it by mail?  
I own an interest in the farm that they were obtained from and

if there is any water in  
the road I need it.

If you will examine  
it. I will defray the attendant  
expenses

Respectly

Samuel P. Todd

Forest City,

Meeker County

Minnesota

The machine seems really  
to illustrate the principle  
involved - the real machine  
is too large for my pack  
Lampasas Texas 9/21 1880  
P. A. Edison Have you black and  
white wood cut send  
6 N. Y. sample -

I would like to  
know the price of the enclosed  
machine. I want something  
compact, light, and in such  
shape that it can be packed  
on a mule. Please give me  
a full description of it and  
the quantity and quality  
of its work, with prices  
and the

Truly Yours  
H. L. Higdon  
Lampasas  
Lampasas Co. Texas

Please send me a description  
the machine allude to in the slip



0.2

*Gold  
per tin*

JOHN C. ANDERSON,

OFFICE OF

DEALER IN—

ALL KINDS OF MERCHANDISE.

BRIDGE ROCK, IDAHO.

*Wagon  
load  
of  
gold  
per  
tin  
from  
the  
Snake  
River  
gold  
mine*

8/21

1880.

J. A. Edison

Mendo Park

Dear Sir

I send today by mail a small box containing black sand - such as can be found the very fine Snake River gold -

As yet no process has been tried to work it successfully - on account of its exceeding fineness & lightness - This sample has been passed over plates and such gold as could be was saved - A vast extent of country hereabouts contains this fine gold -

Knowing that

you are engaged  
in experimenting  
with gold saving  
apparatus I send  
this sample

Exp. Recd. Alaska July 29 '50  
John Anderson  
Sept 14 '50

The pkg is marked  
"# 99" -

There is a great  
deal of mining country  
beneabouts - provided  
you can work it so  
as to pay

Yours  
I. C. Anderson

574

W. Donnell August 23, 88

Wisc. cont. Aug 24/88

G. A. Edwards Esq

Dear Sir

Would it be convenient for you to send me the result of the examination of the sample of sand last sent, at an early day as Mr. Moore wished me to send him the result by telegraph before starting for the East.

I hold myself responsible for the charge of these examinations and would refer you to Mr. C. J. Jacobs as to my standing

Yours Truly  
W. Donnell

G. A. New et

A \$ 8.00 gold  
B \$ 4.00 } ton  
C \$ 4.00 }

All of them contain  
some silver \$ 2.60 - 0.70  
per ton

The ore is just the thing  
we want.

This is  
just suitable  
for our prospects  
James

Only black sand if much mixed with  
then after that black is taken out the  
you are left with only  $\frac{1}{100}$   
of the early got rid of  
A. L. L. L.

Dear Sir

Year of 2342

It is hard to know in a letter  
from Mr. Moore what he  
wants to know if your  
process of working will  
separate the gray sand as  
well as the black sand from  
the gold and platinum  
for he says in addition  
to the quantity of black  
he has a great deal of black  
and gray sand mixed that  
carries a good deal of gold.

I should be pleased to  
have an answer immediately  
as I am writing from  
and want to see of work,  
I telegraphed him this day  
and told him not to

Newark, N.J. Aug 24 50  
Dear Person  
Letter arrived  
Love Emily  
To Mr. J. J. J. J.

Put them down with  
your machine in  
ready for use actual  
your  
H. H. H.

[Faint, mostly illegible handwritten text, possibly bleed-through from the reverse side of the page]

This is a process that will  
take out the silver economically  
but my process for taking out  
the gold is perfect and simple  
in ~~the~~ <sup>the</sup> Northwest Oregon  
Sept 6<sup>th</sup> 1880

Mr J. A. Edison  
Amen's Park N. J.

Dear Sir

Will you be  
kind enough to inform me  
what process is required to  
separate the Silver from the  
black sand of the Ocean beach.  
I rec'd a letter to Mr A. D. Daly  
you find 1/2 Oz of Silver and Silver Black  
Sand.

If you will give me the  
necessary instructions also the ingredients  
required to secure the Silver I  
will be much obliged. beside will  
pay you for your trouble.

I am residing in the im-  
mediate vicinity of a vast amount  
of black sand. and some of the sands are  
very rich with gold. An answer to this  
will be highly appreciated yours Respectfully  
Samuel Case





for the Timber is plenty  
and anything can be hauled  
to within 5 miles of the mines  
the same mile we should have  
to pack on or make a road  
which I think would not be  
a difficult undertaking  
Down the bars and the whole  
of the flats and could get the  
whole Bar if necessary

The dirt I got at about one  
hundred feet from the river &  
at the lower end of the Bar  
and should the dirt pay the  
water could be carried to another  
Bar a few feet higher and being  
this at the lower end so there  
would be any amount of dirt  
that could be washed by this  
water.

Hoping it will prove  
satisfactory and I shall hear

from you soon

Son

Henry Smith

St. Louis, Mo.

J. R. Edison Esq.

Monte Park.

N. J.

Wilmington Pa  
Sept 14<sup>th</sup> 1891

Thomas A. Edison Esq

to him

Will you please

inform me where I can see the  
"Magnetic Ore Separator" invented by  
you. If you have circular describing  
it - will you please send me one.

Very respectfully

P. B. G. Elliott

We have a small  
one here that shows the principle  
I have a large one nearly  
completed that separates  
180 tons a week and per day  
will soon be ready to evaluate, here

OFFICE OF  
JOHN C. ANDERSON,  
—DEALER IN—  
ALL KINDS OF MERCHANDISE,  
EAGLE ROCK, IDAHO.

OVER 9/15 1890  
Thos. A. Edison Esq.  
Menlo Park N. J.

Dear Sir

Yours of 9th inst. received also yours concerning sample of quartz. As regards the black sand (which you say you can work easily and cheaply), if you are correct you will open up the biggest gold field of the 19th century - The sand exists in great quantities for 100 miles along the river and it is only a question of saving <sup>the gold</sup> it - being difficult from its exceeding fineness - The ~~Black~~ + Ho R.R. runs for 30 or 40 miles (a depot here) along the river - So you see it is easy of access

Reply  
John C. Anderson

ms  
Eagle Rock Idaho 9/15/90  
J. C. Anderson

You say there is any quantity of  
black sand = No. 100 - lbs, of which  
is 1/2 the deposits along the rivers  
pure black sand or do you have  
to wash a great deal of sand in  
the sluice box to get the black  
sand pure. A machine Caskey  
#2200 will pass 150<sup>00</sup> tons of dry  
black sand per day with one man  
& a pair horses & take even  
"gold leaf" from it = But if the  
black sand is only 5% p.c. or so, of  
the alluvial then it would  
not pay to pass it through the  
machine & it would have to be  
concentrated in sluice.  
How high is it?

T. A. EDISON.

M. 3 Park, N. J.,

Oct 5<sup>th</sup> 1880.

John C. Anderson Esq  
Eagle Rock Idaho

Dear Sir: Your favor of the  
15<sup>th</sup> ult was duly recd. You say  
there is any quantity of black sand  
Now the question is, are the  
deposits along the rivers pure  
black sand or do you have to wash  
a great deal of sand in the sluice box  
to get the black sand pure. A machine  
costing \$2,200 will pass 150 tons of dry  
black sand per day with one man and a  
pair of horses and take even gold leaf from  
it. But if the black sand is only 5¢ or so of  
the alluvial then it would not pay to pass  
it through the machine and it would have to be  
concentrated in sluices.

Very truly  
T. A. Edison.

## HOME OFFICE

## Great Western Mutual Aid Association,

ROOMS 8 AND 9, TABOR BLOCK.

Denver, Colo. Sept. 16th 1888.  
 The Interocean man is mistaken I want  
 platinum of antimony  
 Thomas & A. Edison Co.,  
 Menlo Park, N. J.  
 O.K. Sir:-

Understanding from the Editor  
 of the "Interocean" of this City, that you were desirous  
 of procuring antimony in quantity, I write to say  
 that I am possessed of information that I deem  
 reliable, which assures me of the existence of a large  
 body of this mineral. It is situated in this Country.

The quality is pure white pipes-free of other metals.  
 What are the demands, uses and prices? Every ton  
 of material will run 60% antimony.

If after your expert had pronounced on the property  
 to your entire satisfaction, you would like to become  
 interested in the enterprise I think you could be  
 acquainted on the ground floor. and within reach.

Your early reply will oblige  
 Yours Truly  
 T. L. Wirwall



T. A. EDISON,

Menlo Park, N. J., Sept 30 1880.

Prof

This man says he sent some  
of your papers to the office at his house.  
Dear Mr. Chipman, I have  
returned the papers found there  
Can you  
direct me to his address?

See. put his hands on  
those Certificates of assay  
that I sent you some  
months since - They were  
all in a large envelope  
with a letter from me -

Yours  
W. R. Chipman

Care of W. R. Chipman -  
48 East 14th St. New York.





on  
Sydney NSW Oct 6<sup>th</sup> 87  
Phil Keing  
W. J. King

"Adelaide" Villa  
Waverley,  
Sydney - N. S. Wales

Australia

On process of Oct. 1880

I have the same <sup>method</sup> <sup>of</sup> working auriferous  
residuals - also <sup>of</sup> <sup>the</sup> <sup>same</sup> <sup>kind</sup> <sup>of</sup> <sup>gold</sup> - also <sup>of</sup> <sup>the</sup> <sup>same</sup> <sup>kind</sup> <sup>of</sup> <sup>gold</sup> -  
found in <sup>the</sup> <sup>same</sup> <sup>kind</sup> <sup>of</sup> <sup>gold</sup> - also <sup>of</sup> <sup>the</sup> <sup>same</sup> <sup>kind</sup> <sup>of</sup> <sup>gold</sup> -  
of 9<sup>th</sup> August to hand  
you will remember the above  
? through the paper as to the  
have just perfected a me-  
thod of working low-grade  
Cant. Gold Quartz Tailings  
sulphur etc (Ore Sulphur-  
etc) containing but little  
arsenical sulphide. As  
your invention is specially  
adapted for working quartz  
tailings, also described -  
I should be like to learn  
the highest per centage  
of gold obtained through  
your experiments.

The cost of the inventions reply  
and the expenses attend-  
ing the expansion of the  
metal. -

Presuming that  
you have taken out a  
patent for the U. S. States  
and would consider it  
expedient to extend its  
operation to Australia -  
I again offer my services  
in furtherance of such  
a movement, feeling af-  
firmed that incalculable  
profits would accrue  
therefrom.

Anticipating an  
early

Yours  
Dear Sir,  
Yours truly  
John Heinz

To Professor Edison  
Menlo Park  
N. J.  
U. States

1873  
No 12 - Gold Run pay gravel  
Only gold.

No 6, Gravel Palm Stair D.F.  
No plat - only little gold  
floor ore.

No 3 - Clean up dirt  
Franklin mine - great  
deal of Gold no plat.

No 2. Tailings from Bear  
River Beals Canyon - a  
little gold only -

mill boys when you  
send tailings to  
to river and sample

No 12 - Fluorid Gold Run  
Great deal Gold no plat -

No 9 - Polar Star Fluorid  
Great deal Bismuth Arsenic  
Mercury - Much gold - no plat

No 7 = Residue of You Bet -  
Much gold - no plat -

No 5 = Gravel from Franklin  
mine - Little gold - no plat

No 1 = Clean up Beals Canyon  
Dutch flat = great deal of  
gold & considerable plat.

No 8 from Plume You Bet,  
great quantity Mercury  
Hardly any gold



Mr. John Marrison  
a. C. W.

Rockford. Ill. Oct. 25, 1880

Confidential

Thomas A. Edison

Sir

I would like to have some  
of your advice on the Miller  
Plateau what would the  
charges be of working an  
Aluminum deposit to which  
I will pay 25 or 30 pence per  
ton, can it be done  
Probably so that would  
the charges be of obtaining  
your machinery as applied to  
quartz mill tailings would  
you be willing to try a few  
lbs. first if I should send  
it to you and return the  
cost results what ever  
they might be to me

I think it is a  
little gold in solution  
with the platinum what  
is platinum worth in  
O. C. in the market  
what is platinum worth  
Omol to load in the market  
what would the price be  
for trying to find out  
are the gold mines  
pretend to be in the  
of the district

John H. ...

Wm. H. ...  
Co. ...  
No. 1617

Will you please ...  
... of field.

Prof Edison

Sir

I take the liberty to  
send you a sample of gravel containing  
gold I would like to know if your  
process would pay to extract it  
or I could send it to you by the  
box please answer

Yours

Francis Hughes

715 Washington St

New York City

Nov 17, 1880

We can work the gravel sent  
with great economy = send us  
some more. How much would it  
cost per ton to freight it here or is the  
mine too far distant

New York Nov 3<sup>rd</sup>

T A Edison

Dear Sir

I rec<sup>d</sup> your  
letter to day & will have mine in  
a few days how much a ton  
would it be worth to you believe

Yours Truly

Francis Hughes

715 Washington St

New York City

Can't say till get a  
sample of gold at mine or  
better than





There is nothing but solid Minerals  
of Silver sand, as I say Millions of tons  
which can all be had for little or nothing  
and if your process is such that the  
proper Reports there is a great many  
large fortunes in it. The sand is very  
rich. I defy any one to tell a common  
Shovel full and wash it without getting  
a number of specks of fine gold. But  
some deposits are a good deal  
richer than others, I have seen  
the black sand in the California  
Mines, and I should say it was  
nothing to compare with this  
Country for the sand here is all  
washed up by the sea or Ocean  
and after a gale thousands of tons  
come rolling on, there are larger  
deposits than any you could find

that all along this Coast that I can  
descubing, Gold is found in large  
quantities along the Terraces, and  
of late of Banks of the Rivers that run  
into the part of the Ocean. as far as  
Magnetic Golden sand is concerned  
I do not think it is possible to get better  
than this is, and the trouble to get it  
is not nothing but your heavy black sand is  
deep as you please or as deep as ten fathoms  
for water, as I say there is millions of tons and  
with your process a part could be put into  
the market, you cannot expect to work any  
place in the world, and if you would entertain  
my offer or any other Estimation a Royalty  
or in any way that you intend to give it out to  
the world, I would prefer your patent in  
my favor, and if you can let me know the full  
of your process, I will return it to you in  
the privacy of your own hands.

Danvers Nov 12<sup>th</sup>/80  
Mr. T. A. Edison

Dear Sir  
What would be cost of  
erecting your works for taking  
the Gold out of the sand  
And the expense of operat-  
ing them

Please answer immediately  
and oblige

Mr. H. Barton  
Denver  
Col

It cost \$2500 for machine  
works 150 tons of amberon  
iron sand of the day  
cost 8 cent ton but if given  
you deposit is not equal



100  
James McKim  
Care of  
Mary's,  
Lervey.  
Dec 24th 1880.

Professor Edison,  
Menlo Park.

Process is for making amalgam  
from soluble salts. Any amount  
costs for 200 parts ~~100~~ 100 lbs  
daily at cost about \$ 2.00, value of  
output 200 to 300 parts at 10¢ per lb  
and 10¢ Royalty to patentee per ton  
Jones only return from

The Australian colonies, my attention has  
been directed to your 'Method of saving  
gold from tailings.

From what I hear you have discovered  
a combination by which all these vast  
wastes of gold can be recovered in a  
both simple and effective manner.

It is high time that we in Australia  
should each aside the primitive appliances  
now in use for quartz crushing and  
gold saving purposes.

I have repeatedly seen the quartz containing chloride of Silver, as well as arsenic and iron pyrites, which much lessen the mercury and cause loss of gold in smelting.

I have followed mining pursuits for the last 8 years, in Victoria - New South Wales, and Queensland. I need not say that I am eager to give a fresh impetus to gold mining in Australia, and should feel obliged if you will give me particulars of your wonderful process which is secured I understand by "Patent".

I am returning in a few months and would it be asking too much to reply to the following questions.

1. Are you prepared to sell Patents for Australia, or for one colony.
2. What would be the terms.
3. What is cost of machinery, &c.
4. What would be expense of working discarded tailings, or wash dirt or black sand, per ton.
5. Is it a process, by which an experienced hand at quartz-crushing, can, after a little practice work the whole affair.
6. What is your method of ascertaining whether tailings &c will pay, or not, for work.
7. Which does your process treat in the most effective manner, wash dirt, sand or tailings.

awaiting your reply.

I am dear Sir  
Yours faithfully,  
James H. H. H.

Mr. J. B. Hall  
Brookville Mont. Co. Md.

Brookville Mont. Co Maryland  
Dec 17<sup>th</sup> 1880

Prof. Thos. A. Edison:

Dear Sir:

Are you the inventor of  
an improved process for obtaining  
Gold from the Ore. If so can  
you give me an estimate of  
the cost of suitable works  
machinery or for using your  
plan, & also inform me what  
advantages you claim over the  
Robinson I have control of  
a Gold Mining Property, &  
wish to get the best process  
for working it.

Respectfully

J. B. Hallowell

Process only for working  
auriferous black sand.



ORD. 11110  
 James  
 Had  
 or  
 2  
 1/2

OK file in  
 Milling Co  
 Please describe  
 use it but

I. E. JAMES  
 607  
 I have  
 been  
 interested  
 in  
 the  
 use  
 of  
 the  
 mill  
 for  
 the  
 purpose  
 of  
 separating  
 the  
 tailings  
 from  
 the  
 ore  
 and  
 the  
 use  
 of  
 the  
 mill  
 for  
 the  
 purpose  
 of  
 separating  
 the  
 tailings  
 from  
 the  
 ore

MICHAEL OTTEY,  
 SECRETARY.

Yellow Jacket Silver Mining Co.

Sold Hill, Nov. Dec 25<sup>th</sup> 1879

J. A. Edison Esq

55 Muncie Park - N.Y. N.Y.

I have been unable to  
 reply earlier to you but requesting me to forward  
 100 lbs of tailings. I have done so, the same having been  
 sent to you under your address on 25<sup>th</sup> charge 1.50<sup>00</sup>  
 freight prepaid - They are numbered from 1 to 100 in  
 allavo represent 270 ~~ton~~ tons of ~~approximately~~ - an  
 assay of average sent went 18<sup>00</sup>, which I think is  
 too high - Platts reporting, about 11<sup>00</sup> per ton, which  
 price carries all water freight, with use of one  
 or two mills - The topographical conditions could not  
 be better for working these tailings - There could  
 be caught a good many more tailings that  
 are now running off, if in demand it should  
 be; they are low grade, say about 1/2<sup>00</sup> per ton.

Accept my congratulations on successful result  
 your electric light - With hopes of hearing from  
 you on other work next weeks of the season

I remain yours truly  
 M. Ottey

seen 15 lbs of sand

obtained when we  
started to clean up to  
make, I mean the sand  
that is washed away from  
the amalgam

OP  
P  
H. W. Wainwright  
President Currier & Mitchell  
Co. Building  
25th Street

1880. Mining - Spring Valley Hydraulic Gold Company (D-80-035)

This folder contains correspondence and other documents relating to the takeover of the Spring Valley Hydraulic Gold Company by the United States Mining Investment Company. Included is a lengthy report on the Spring Valley mine, prepared by the United States Mining Investment Company.

All the documents have been filmed.

Blank No. 1.

**THE WESTERN UNION TELEGRAPH COMPANY.**

This Company TRANSMITS and DELIVERS messages only on condition, limiting its liability, which have been assumed by the sender of such messages.

The Company will not be held liable for any delay in transmission or delivery of telegraphed messages.

The Company is not responsible for messages or telegrams received by recipient on account of the sender, unless the conditions are otherwise specified.

A. H. BREWER, Secy. *T* NORVIN GREEN, President.

Dated *New York Jan 2* 18*80*

Received at \_\_\_\_\_

To *M. Edison*

READ THE NOTICE AT THE TOP.

*with you accept a  
directorship in the  
Spring Valley Hydraulic  
Exp. Co. of our  
associates are satisfactory  
to you*

*Edward Ruth -  
Dorsey*

*19 put  
H. F.*

Spring Valley Mining & Irrigating Company  
Location of Hunt, Cherokee, Buffalo Co.

Wm. H. Hunt  
J. M. Shaw

Cherokee, Jan 11 1880.

J. A. Edison Esq. Will answer  
Dear Sir personally

Several weeks ago I forwarded you a small quantity of "sulphuret of iron", in one of the little cases you sent me sometime since, for such purposes — as you are no doubt deeply engrossed with the electric light, and have little leisure for chemical tests — I earnestly request that you will forward the parcel to H. M. Ragner 27 Bond St. New York, to whom I have written concerning it.

I have seen a copy of your contract with the Investment Company, and I scarcely think you appreciate its value! you could not, by any possible showing have made such a contract here, and it is evident the Investment Company had little knowledge of what they were transferring.

In relation to one item alone — the privilege of borrowing the tailings — I will state, that we have

washed from the Cherokee mines, by actual measurement 24,000,000 cubic yards of gravel, one-quarter of which, the heavier material, about 1000 lbs. per cubic yard, and estimated of state engineers) is deposited in the Canon, within a short distance of our tail-flumes, constituting the tailings in this mentioned in your contract.

In our washings, the coarsest bed paying gravels, which partake of the character of cement, have to be broken up by powder and manual labor, and a considerable proportion goes through without disintegrating, and carrying with it, its burden of gold. The pipe-clay also, of which we have washed enormous quantities; rolls through the flumes like balls of soap, completely covering the surface with gravel which it picks up and with the gravel, small particles of amalgam, and so much amalgam with pipe clay carry off in this manner that it is called by the hydraulic miners "the slide robber". All of this material deposits within a short distance of the flume dump being confined on each side by steep hills, and during the summer gradually slackens and decomposes - and when the winter rains come, and heavy floods roll down the Canon, the slackened material is washed away, leaving behind the gold and amalgam.

# Spring Valley Mining & Irrigating Company

Location of Mine Cherokee Butte Co.

Cherokee,

1881

Wm. H. H. Davis  
Lombard St. S. F.

which settle; and are covered by the deposits of succeeding summers, the lower strata of this growing richer year by year.

Shortly after I came into the employ of this Co., ten years ago; the eventual value of this deposit became apparent, and all the ground which would ever be covered by the tailings, was purchased, at an expense of about \$10,000 - and the managers of that day, contemplated in the fullness of time a "Barroanga" from this source.

I am sure I do not magnify its value, when I estimate the same at ten cents per cubic yard, and to have that and say five cents, would give a yield of \$15,000 - It could all be worked, I think, in two years with a good head of water, and the material is so thoroughly decomposed that the expenditure for labor would be slight - the water might be procured from the Davis ditch, if not sold, and if it is, arrangements might be made with the parties, pending its extension to



this mind — There is nothing mystical about this  
matter, large returns have been secured from the  
planting on the Misa river, and our deposit is — more  
advantageously placed than any I have ever

Now I must take the liberty of saying, that you  
have not treated me very courteously of late, in the  
matter of correspondence — I have written you several letters  
and sent one telegraphic, and the reception of neither has  
ever been acknowledged — In your first inquiries here  
I took pleasure in rendering you such services as I could!  
When the Major came with letters from you, I extended  
him every facility possible, to prosecute his inquiries, and  
bested him with the utmost consideration — (He has  
likewise entirely overlooked my epistles) — and while  
I am in no way sensitive, it is a little unpleasant  
to be so utterly ignored — If this results from my letters  
sitting forgotten etc! I will say, I am a telegraphist! &  
like most of my guild, have always had a penchant  
for bettering myself, & perseverance in such efforts, have  
favored me heretofore, but the rebuffs have been immen-  
sable, and a denial from you would not have abated  
me in the least — ; but this damned dismal, graveyard  
silence, stings! — properly

Lucius Clark —

*Handwritten initials and scribbles*

*Purchased from Eth. Frost.  
1943-12-20 order 233001  
\$1,75*

OFFICES OF  
THE UNITED STATES MINING INVESTMENT COMPANY,  
61 BROADWAY, *Calif*  
New York, Jan. 12, 1880.

At a meeting of the Directors of this Company, held this day, it was unanimously resolved, that the Reports on the Cherokee Flat Blue Gravel and Spring Valley Mining properties should be accepted and endorsed by this Board, and that a Company be incorporated under the Laws of the State of New York, to be called the SPRING VALLEY HYDRAULIC GOLD COMPANY, with a Capital Stock of 200,000 Shares, at \$1, par value, per share, or a total of \$200,000. The subscription price remains at \$10 per share.

As it is expected that this Stock will be held as a permanent dividend paying investment, under the advice of counsel, we have adopted this low capitalization, in order to afford the Stockholders the most ample protection against any possible personal liability for debts that might be contracted hereafter.

This in no way detracts from the value of the stock, while it guarantees the Stockholders against any possible liability or future assessments.

EDWARD BATES DORSEY,  
*President.*

**DIRECTORS.**

- |  |   |
|--|---|
| EDWARD BATES DORSEY.....Mining Engineer,                       | H. HAYDEN.....Of Hayden, Eastwick & Co, Refiners.                             |
| I. C. BARDOCK.....Treasurer Adams Express Co.                  | A. F. WALKER.....Vice-President Hunt Fire Ins. Co.                            |
| W. H. DORR.....Of Williams & Cole's Steamship Line.            | Wm. L. JENSON, Jr.....Of Wm. S. Nichols & Co, Bankers.                        |
| Wm. Foy BISHAM.....Lass Receiver and Treas. Erie R. R.         | Geo. B. West.....Commission Merchant.   |
| CHAS. M. FAY.....President National Bank of New York.          | THOMAS HAYDEN.....President National Bank of Republic.                        |
| JONATHAN OUELLE.....Banker.                                    | HENRY W. FORD.....Consulting Engineer, Boston, Mass.                          |
| D. S. APLETON.....Of D. Appleton & Co., Publishers.            | A. FOSTER HIGGINS.....U. S. Lloyd's Marine Insurance.                         |
| URSINA S. GRANT, Jr.....Lawyer.                                | CHAS. L. FARRIS.....Of Perkins & Choate, Bankers.                             |
| ARTHUR B. GRAVES.....Pres. St. Nicholas National-Bank.         | L. E. GARRETT.....Of Tower, Giddings & Co., Bankers, Boston, Mass.            |
| Jas. P. RANSOM.....Consulting Engineer, New York.              | J. BAKER.....Vice-President of St. Louis & San Francisco R. R. St. Louis, Mo. |
| GEORGE W. WARREN.....M. V. Lloyds Co., Boston, Mass.           | ARTHUR SMALL.....Pres. East National Bank, Boston, Mass.                      |
| C. A. WATKINS, of Lee, Higginson & Co., Bankers, Boston, Mass. |   |
| JAMES D. FINE.....President Marine National Bank.              |   |

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REPORTS  
OF THE  
SPRING VALLEY  
HYDRAULIC GOLD COMPANY,

CONTAINING THE  
CHEROKEE FLAT BLUE GRAVEL

AND  
SPRING VALLEY  
MINING AND IRRIGATING COMPANY'S PROPERTY.

By R. H. STRETCH, M. E.,  
AND  
CHARLES WALDEYER, M. E.,  
AND  
HAMILTON SMITH, Jr., M. E.

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SITUATED AT  
CHEROKEE FLAT, BUTTE COUNTY,  
CALIFORNIA.

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*Calif*

REPORTS  
ON THE  
SPRING VALLEY  
HYDRAULIC GOLD COMPANY

COMPRISING THE  
CHEROKEE FLAT BLUE GRAVEL  
AND  
SPRING VALLEY

*Mining and Irrigating Company's Property.*

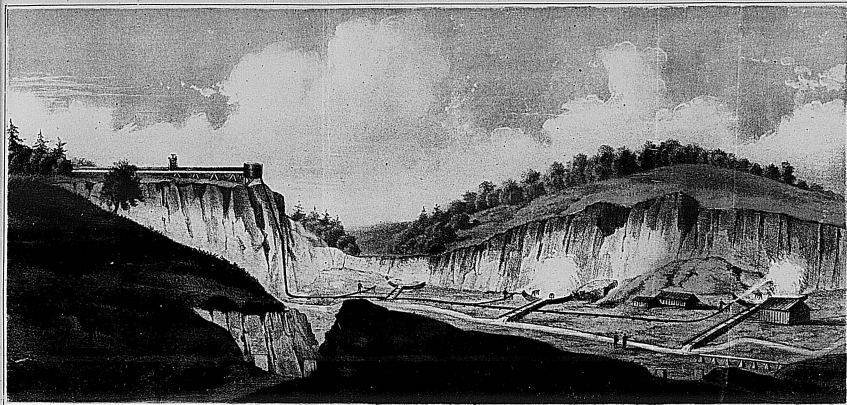
By R. H. STRETCH, M. E.,  
AND  
CHARLES WALDEYER, M. E.,  
AND  
HAMILTON SMITH, Jr., M. E.

---

SITUATED AT  
CHEROKEE FLAT, BUTTE COUNTY,  
CALIFORNIA.

JOHN J. CAULON, PRINTER,  
20 Vesey Street, N. Y.

HADENBERG, N. Y. 1888



SPRING VALLEY.  
300 FEET HIGH.

VIEW OF SPRING VALLEY AND CHEROKEE FLAT MINES.

CHEROKEE FLAT; BLUE GRAVEL.  
HEIGHT OF BANK 800 FEET.

SYNOPSIS OF REPORT

ON THE

"CHEROKEE FLAT BLUE GRAVEL" and "SPRING VALLEY" Mining Claims,  
LOCATED AT CHEROKEE,  
BUTTE COUNTY, CALIFORNIA.

1. The Property consists of 1,915 acres of deep, gold-bearing gravel, of which 883 belong to the "Cherokee Flat Blue Gravel Company," and 822 to the "Spring Valley Company," with water works which cost \$500,000, lands, flumes, buildings, and all necessary mining appliances.

2. From certain natural features of the ground, the property can be worked better as a whole than can each parcel separately.

3. The Title is perfect.

4. The ground may be safely said to contain Sixty-eight Million Dollars (\$68,000,000) in gold.

5. The ground worked, being about 100 acres, has yielded \$5,838,061 40, or about \$55,000 per acre, and a large amount remains to be extracted from this ground.

6. \$2,272,534 28 has been produced in the last six years, of which \$1,880,894 21 has been profit.

7. By a consolidation of both properties (after the completion of the Cherokee Flat Blue Gravel deep tunnel, which will take less than one year), one only now being worked, the income can be increased to from \$500,000 to \$800,000 net, and these figures can be substantially maintained for many years. The mining ground is, practically, inexhaustible, and the water is a saleable commodity for all time.

8. The Spring Valley Company is to-day in a dividend-paying condition. The production for the last 70 days was \$88,900, at a profit of \$600 daily.

9. Work at the mine is in active progress; in fact, has never been stopped, either summer or winter, since 1875, when the water-works were completed.

10. The consolidation of these properties makes the finest gold gravel property extant, its steady productive ability being an absolute certainty.

For facts on which these conclusions are based, see main report.

Yours respectfully,

R. H. STRETCH, M. E.

TO EDWARD BATES DORSEY, Esq.,

President United States Mining Investment Co.

November 17th, 1876.

MENLO PARK, N. J.,

December 20th, 1870.

EDWARD BATES DORSEY, Esq.,

*President.*

SIR: I have read with care the report of R. H. Stroh, M. E., upon the properties of "The Cherokee Flat Blue Gravel," and "The Spring Valley Mining and Irrigating" Companies, the result of a most careful investigation by him during a period when I was investigating the same properties, at the instance of and under instructions from Prof. T. A. Edison; and can state, that not only all that is embraced in said Report (except perhaps platinum in the quantity named therein, which I consider too great) is justified by the facts with which I am cognizant, but I am confident, that had the former proprietors of these properties been possessed of the information now obtained of the process applicable to the saving of *all* the Gold, and other metals found in this auriferous deposit, much larger net returns would have been shown on the books of the Companies, than are indicated in the report; and further, I am persuaded that if the Cherokee Flat Blue Gravel Co. had been possessed of the water facilities hitherto afforded to the Spring Valley Mining and Irrigating Co., far greater net returns would have been shown from the same area of ground sluiced from their property, by reason of such being on the deeper and richer part of the channel of this auriferous deposit. In further assurance of my opinion of the great value of these properties as now consolidated, I may say that "The Edison Ore Milling Co.," are willing to make a contract for 15 years, which I would willingly advise should be twenty-five, to take all the tailings from the properties (now being and all those that have hitherto been thrown away), and return to the proprietors of these properties one-half of the gross yield of Gold and Platinum extracted therefrom.

I am respectfully yours,

FRANK McLAUGHLIN.

EDWARD BATES DORSEY, Esq.,

*President of S. Mining Investment Co.*

SIR:

From my own investigation of the subject referred to in the letter to you from my agent, Mr. F. McLaughlin, covering a period of several weeks (receiving from him during that time large quantities of the sands and gravel for treatment at my laboratory), and from my knowledge of his ability and experience in such matters, I fully endorse him as worthy of the utmost confidence,

Respectfully yours,

THOMAS A. EDISON.

NOTE.

A contract for 15 years has been made with Thomas A. Edison as representative of the "Edison Ore and Milling Company," to work the tailings and debris, which has hitherto gone to waste, by which the SPRING VALLEY HYDRAULIC GOLD MINING COMPANY will receive one-half of all the precious metals and minerals saved free of charge.



ings and debris, which has hitherto gone to waste, by which the SPRING VALLEY HYDRAULIC GOLD MINING COMPANY will receive one-half of all the precious metals and minerals saved free of charge.

STATISTICS OF SEVERAL MINING COMPANIES ON  
NEW YORK MARKET.

Names of Company.	Capital.	Par Value.	Market Value.	Dividend Monthly.	Percentage on Market Price.
Ontario.....	\$10,000,000	\$100	\$40 00	50c.	1 1/2 %
Standard.....	10,000,000	100	30 00	50c.	1 1/2 %
Hors Silver.....	10,000,000	25	25 00	50c.	1 %
Little Pittsburg....	20,000,000	100	30 00	50c.	1 1/2 %
Homestake.....	10,000,000	100	40 00	50c.	1 1/2 %
Leadville.....	2,000,000	10	4 75	10c.	2 %

ESTIMATED PERCENTAGE OF  
SPRING VALLEY HYDRAULIC GOLD COMPANY.

Spring Valley.....	\$500,000	\$1 00	10 00	10c.	1 %
After first year.....	-----	-----	10 00	25c.	2 1/2 %

P. S.—This is a very favorable showing for the Company, considering the character of the Mines when compared to the above properties.

THE  
**United States Mining Investment Co.,**  
 61 BROADWAY, NEW YORK CITY.

*President:*  
**EDWARD BATES DORSEY.**

<p><i>Vice-Presidents:</i>          HENRY HAVEMEYER,          A. FOSTER HIGGINS,  <i>Secretary</i></p>	<p><i>Treasurer</i>          JAMES D. FISH,          ARTHUR F. WILLIAMS.</p>	<p><i>Counsel</i>          WILLIAM H. GIBSON,          COUDERT BROS.</p>
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This Company has been formed to meet a pressing and increasing want in Financial Circles in the United States, which is to investigate, by the best Engineering Talent employed, *specially* in the interest of this Company, the real merits and value of Mining Properties. The public can rely upon the assurance given by this Company, that every property which is offered to investors, bearing the Company's endorsement, will have received the sanction of its Board, based upon reports of their own employed Engineers, from personal examination of the same; and investment in such properties can be made with safety and a reasonable certainty of success. The names of its Officers and Trustees guarantee that it will do what it undertakes in an honorable and trustworthy manner.

**DIRECTORS.**

<p>EDWARD BATES DORSEY.....Mining Engineer,          I. C. BARON.....Treasurer Adams Express Co.          Wm. H. GIBSON.....Of Williams &amp; Gillet's Membership List          Wm. FERRY SCHAEFER.....Lead Refractor and Trans. Eric S. R.          CHAS. M. FAY.....President National Bank of New York          JONATHAN CHASE.....Banker          D. S. ANSELME.....Of St. Agoston &amp; Co., Philadelphia          ULRICH S. GRANT, JR.....Lawyer          ARTHUR S. GRAVES.....From St. Nicholas National Bank          JOE F. BARNETT.....Consulting Engineer, New York          GEORGE W. WARRER.....N. Y. Life Ins. Co., Boston, Mass.          C. A. WYLLIE.....of Lee, Higginson &amp; Co., Bankers, Boston, Mass.          JAMES D. FISH.....President Marine National Bank.</p>	<p>H. HAVEMEYER.....Of Havemeyer, Eastwick &amp; Co., Refiners.          A. F. WILLIAMS.....Vice-President Home Fire Ins. Co.          Wm. L. JAMES, JR.....Of Wm. S. Nichols &amp; Co., Bankers          Geo. B. WELLS.....Consolidated Merchant          THOMAS MANSON.....Banker          HENRY W. FISH.....President National Bank of Newport          EDWARD A. FISH.....Consulting Engineer, Boston, Mass.          A. FOSTER HIGGINS.....U. S. Life's Marine Insurance          CHAR. L. FENNELL.....Of Perkins &amp; Chase, Bankers          L. B. GREENLAND.....Of Town, Childs &amp; Co., Bankers,          Boston, Mass.          J. BARNETT.....Vice-President of St. Louis &amp; San          Francisco R. R., St. Louis, Mo.          ARTHUR SERRALL.....Pres. Bath National Bank, Bath, Maine.</p>
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EDWARD BATES DORSEY, ESQ.:

SAN FRANCISCO, October 10, 1879.

Dear Sir:

In accordance with your instructions, I have made a careful examination of the property of the Cherokee Flat Blue Gravel Company, and of the Spring Valley Mining and Irrigating Company, situated north of Oroville, in Butte County, State of California, and have the honor to report as follows: My investigation has extended over a period of ten days, and the conclusions drawn are based, not upon speculation, but upon actual ascertained facts. I shall treat both properties as a unity in this report.

Yours respectfully,

R. H. STRETCH, M. E.

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## REPORT

ON THE

CHEROKEE FLAT BLUE GRAVEL, AND SPRING VALLEY  
MINING AND IRRIGATING CO'S PROPERTY,

SITUATED AT

CHEROKEE FLAT, BUTTE COUNTY, CALIFORNIA.

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Having, in previous reports, given a very full and complete account of hydraulic mining operations in California, I shall not burden these pages with a repetition of the same.

The relation of the mines to the gravel deposit, of which they are a part, is shown in map No. 2 in which the yellow shading shows the known extent of the gold bearing gravel, the green line the Rimrock, or point where the solid rock which underlies the gravel comes to the surface, and the gray shading the basalt or lava cap which overlies the gravel, leaving visible a portion of the gravel where

it has been broken away. An examination of all the surroundings affords abundant evidence that the old river channels used to run through the Spring Valley, Cherokee Flat Blue Gravel and the Hendricks' mines, with a grade of about one hundred feet to the mile, so that the deepest depression or main channel will be found in a position very nearly represented by map 3, which shows the ground under consideration on a still larger scale.

Map 3 shows the ground of the Spring Valley Company (colored red), also the ground of the Cherokee Flat Blue Gravel Mine (colored green), with the local roads, reservoirs, &c. The Hendricks' tract of 5 31-100 acres, is not included in the company's property. The total area of the ground owned by the Spring Valley Company is 323 32-100 acres; of this about 100 acres has had the top gravel removed, the shape of this portion being indicated by the sinuous brown line, and about 40 acres are unavailable for hydraulic purposes on account of the heavy lava cap (marked sugar loaf), so that there is an available area for hydraulic purposes of about 180 acres of gravel which has not been touched, and 100 acres partially worked.

The Cherokee Flat Blue Gravel Company owns about 899 acres of ground, of which about 200 acres is available for hydraulic purposes, and the balance can only be drifted on account of the heavy lava cap.

A clear title can be given to the whole of this land, aggregating 1,215 32-100 acres.

#### WORK DONE ON THE CLAIMS.

In 1856, the Cherokee Flat Blue Gravel Company started a deep bedrock tunnel to open their ground as a drifting claim, and pushed the work ahead until June, 1863, when the tunnel was in a distance of 1,542 feet, and work was stopped. When resumed, in the spring of 1867, an incline was started almost directly above the end of the old tunnel, and in May, 1870, had penetrated the hill about 800 feet, following the bedrock, and proving the existence of what is known as the blue band under Table Mountain. The incline was very wet and suffered severely by the heavy blasts in the adjacent workings of the Spring Valley Company, so that it had to be abandoned, and from that time no work has been done on the claim.

Before the consolidation of the Cherokee and Spring Valley claims,

they had each been worked in a small way by small streams of water with low pressures, but after the consolidation, extensive water-works were planned and built, and since February, 1873, the daily supply of water has been 2,310 inches, equal to nearly nine million cubic feet; as a natural consequence, the company at once produced excellent results, a synopsis of which is given below. The Spring Valley ground was opened by the Welch and Eureka Tunnels, neither of which permit the working of the bedrock, so that there yet remains a stratum of gravel, varying from 5 to 40 feet thick over the entire ground which has been worked, and as the bedrock pitches southwest into Table Mountain, the thickness of this untouched bottom gravel increases steadily as work progresses south, up Saw Mill Ravine.

#### QUALITY OF THE GRAVEL.

The total area of ground worked by the Cherokee and Spring Valley Companies, has been about 100 acres in a period of from 25 to 30 years, while the production of gold has been about as follows:

From 1849 to February 15, 1871, say twenty years, at \$100,000 .....	\$3,000,000 00
February 15, 1871, to February 25, 1873 .....	233,227 51
February 25, 1873, to August 5, 1878. (See statement) .....	2,185,624 59

\$5,420,181 40

From which it results that the yield per acre has been \$54,491 61.

It is not easy to say, in the absence of definite data, what has been the variation in the quality of the gravel in the different portions of the mine, but an average value per cubic yard of the whole mass worked, is easily obtainable; at the rate of \$4,491 61-100 per acre, one square yard would yield \$11 25, which for an average thickness of 40 yards (160 feet), is 28 cents per cubic yard.

It should, however, be remembered, that this result does not include the dark green and blue gravel left in the pit, which, we have previously seen, have an average thickness, say of six yards. These are the richest gravels in the claim, and are worth on the average of \$5 per yard.

In the Eastern portion of the works, the coarse gravel is rich in gold; so rich, in fact, that the Spring Valley Company keep quite a force of men employed upon it at a very heavy cost. Thirty-two

pounds of the blue gravel, taken on the line between the Spring Valley and Cherokee Flat claims, gave me 64 cents, equal to two cents per pound, \$40 a ton, or \$70 a yard. A long series of pannings on the same gravel, including also samples from the rotten boulder streak, and some of the top gravel which had caved down, gave me an average of 4 cents to the pan, which is equal to about \$6 per ton, or \$10 50 per yard. The estimate of \$5 per yard for this lower gravel, is certainly very safe. As it is about 6 yards thick, its average value per square yard would be \$30, which, added to \$11 25, the actual value of the ground already washed, makes \$41 25 as the value of one square yard from the surface to bedrock, which, for a thickness of 40 yards (188 feet), would give 69 cents as the approximate value per cubic yard.

From the above facts I deem the following to be a fair estimate of the gold in the property :

180 acres of Spring Valley hydraulic ground, at \$50,000 per acre.....	\$9,000,000
100 acres of bottom gravel, at \$140,000.....	14,000,000
200 acres of Cherokee F. D. Gravel hydraulic ground, at \$50,000.....	10,000,000
3,800 yards long by 250 wide by 3 high, for drifting ground on C. F. D. Co., at \$900,000 yards at \$10.....	3,800,000
	\$66,000,000

In this estimate I place the hydraulic ground of Cherokee Flat Blue Gravel Company at a somewhat higher rate than that belonging to the Spring Valley Company, because it appears to be nearer to the main channel.

The dimensions of the drifting channel were obtained by measurements on the ground. Results of the past operations of the Spring Valley Company. The following is an instructive table :

YEAR.	Gross Production	Expenses.	Profits.	Dividends.
July, 1873.....	\$190,184 14	\$80,718 07	\$109,466 17	\$50,000
" 1874.....	478,112 25	150,977 79	327,134 46	100,000
" 1875.....	481,280 01	140,028 46	341,251 55	85,000
" 1876.....	400,081 74	147,037 29	253,044 45	80,000
September, 1877.....	385,078 00	150,148 00	234,930 00	50,000
October, 1878.....	314,200 35	187,420 25	126,779 10	100,000
Five years nine months.....	\$2,064,847 87	\$744,264 76	\$1,320,583 11	\$465,000
Yearly average.....	\$359,016 98	\$130,487 03	\$228,529 88	



posed at the beginning of the second fiscal year. To prepare it for drifting purposes, two hundred feet more of bedrock tunnel can be pushed ahead at a cost of \$4,800, and about one thousand feet of lateral openings made into the gravel at a cost of \$1,600. With these data we are able to furnish an estimate of the results for the first year after consolidation:

800,000 inches of water used, washing 4 yards of gravel, worth 10 cents a yard.....	\$250,000	
1,000 yards of drift gravel washed at \$100.....	100,000	\$350,000
Cost of hydraulic mining, at 20 per cent.....	80,000	
Cost of main tunnel for hydraulics.....	\$1,357 50	
Cost of main tunnel for drifting.....	4,800	\$18,857 50
		\$101,743 50

This result will be obtained by washing the top dirt on the ground of the Cherokee Blue Gravel Company, which we know is worth from five to fifteen or twenty cents per yard, thus avoiding the great expense of handling the bottom dirt by which expenses can certainly be reduced from thirty-three to twenty-five per cent., and all the necessary appliances are in place, as shown in the plan of the flumes and air-pipes hereto attached. The results for the second year are such that I almost fear to state them, although I can find no reason to doubt their accuracy after canvassing them repeatedly. In this year the income would be from three sources, entirely independent of each other, and the working of which would in no manner clash, viz.: from drifting, from washing the high bank, and from working the bottom gravels left in the old works. Let us look in the first place at each proposition by itself. To estimate the drifting proposition, certain dead work must be done, viz.:

The main tunnel should be run ahead 400 feet, at a cost of \$24 per foot, say.....	\$9,600
The upraises into the gravel can be made at a cost of.....	1,800
Lateral drifts in gravel, say 2,400, at \$1.50.....	3,600
Total dead work.....	\$15,000

The mine could employ forty stopers during the year, which, with carmen, drifters, timbermen, etc., would make an average force of say eighty men at \$3 per diem. These stopers can take out four yards daily to the man, or one hundred and sixty cubic yards daily. (I find that, on contract work, men have taken out as high as eight and one-third yards





*Reports on the Spring Valley Hydraulic Gold Company.*

And there is no element of uncertainty about any of these figures except the first. These figures are substantiated by the results of these claims in their actual returns, by the experience of other mining enterprises of a similar character, and by very careful examination of the ground, they can be substantiated and maintained for many years.

Appended to this report you will find a statement of each "clean-up" made by the Spring Valley Company since the water works were completed: a complete schedule of the property included in the proposed transfer; a sketch of the appearance of the gravel bank along the line between the two claims, etc.

As in all hydraulic enterprises an abundant water supply is all important, a glance at those constructed by the Spring Valley Company may not be out of place; as will be seen by the schedule of property, there are nearly 100 miles of ditch and pipes, all in excellent repair, giving a steady supply of 2,210 inches at the discharge gate of the Concow Reservoir, and the supply has been maintained without drawing upon the Round Valley Reservoir at the extreme northern end of the works, so that the capacity of the works may be safely set down at 800,000 inches per annum delivered by Concow Reservoir, without reckoning the local winter supply. I have, therefore, assumed the capacity of the works at the above figures. The reservoirs near the mine are numerous, and so located as to be out of the way of future mining operations. For the use of the machinery for drifting purposes, the water of the Pies Valley ditch can be brought in and had at a nominal cost, say \$50 monthly. Ample allowance is made for this extension in the estimates.

As the so-called "debris" question is one of vital importance to all hydraulic mines at the present time, it is only right to state that ample provision has been made by the Spring Valley Company to avoid conflict with the farming interests from this source. About 3,000 acres of land lying along the bed of Dry Creek, and including the whole of the river bottom to the bluffs on either side, go with the property, the whole of which is available as a dump for tailings, without risk or expense. I examined all this ground which is shown on map. The track is large enough to accommodate the debris of 200 acres of deep hydraulic ground, and yet not be covered to a depth of 30 feet. The possession of this land, and also the right of way down to the main river, effectually disposes of the debris question, so far as the property under consideration is concerned.

It may also be of interest to state that at the time of my visit, Major McLaughlin, on behalf of Professor Edison, the celebrated electrician, was at Cherokee extending

It may also be of interest to state that at the time of my visit, Major McLaughlin, on behalf of Professor Edison, the celebrated electrician, was devoting his time to an investigation of the platinum question. His stay at Cherokees extended over two weeks, and resulted in the discovery of this metal in abundance, so that it may be probably a source of revenue in the future, to the extent of \$20,000 to \$30,000. I have not, however, laid any stress on this point in my estimates. Incidentally his presence was of great importance to me, as the constant prospecting of platinum, in which alone he had an interest, resulted in the same show of gold in every pan which I had personally found, and many of his prospects greatly exceeded my own.

He also discovered the fine sands to contain innumerable small, microscopic diamonds, and it is not unlikely that the process through which the black sands would have to be passed to eliminate the platinum, would result in the discovery of many valuable stones; no search is made for them, yet they are not unfrequently picked up; one was found while I was on the ground, which, if cut, would have a value of about \$75 to \$80.

In conclusion, I may say that the statements here made can be readily verified; whatever argument may be used against each property separately, there cannot be one urged against the consolidated interests.

Yours respectfully,

R. H. STRETCH, *M. E.*

## APPENDIX.

Since my arrival in New York, I have learned a few additional facts which may be of interest.

Samples of the black sands which are collected in the flumes in large quantities, were sent to Mr. Edison for examination, to see if they contained platinum; each of these samples consists of 25 lbs. One was the sand just taken from the flume after extracting the amalgam, the other the same material after it has been passed through a small pan and partially ground. The results were \$1,750 and \$240 per ton of 2,240 lbs., in gold, respectively. These results show that the sands may probably be made a source of considerable profit. To secure them in quantity merely requires a little more labor in cleaning up, the additional cost being inconsiderable.

I am also in receipt of information from the Spring Valley Company, dated October 30th, that up to that time 800 lbs. of amalgam, worth about \$30 a pound, had been sent up to the office, and that the men were then engaged in cleaning up the Eureka Tunnel. The amalgam to Oct. 20th being worth about \$54,000 or upwards, it is probable that the total clean-up will aggregate \$80,000, if not more, as the last clean-up was on Aug. 9; this is the result of two months and ten days work, equal to about \$1,258 daily, or at the rate of \$460,000 per annum. This result was largely due to the employment of a large force of men to wheel the bottom gravels into the flumes, and is good evidence in support of the position taken in the main report.

It will, of course, be understood that the company going into possession will be making an income immediately, everything being in complete running order.

R. H. STRETCH, M. E.

New York, October 30th, 1879.

STATEMENT OF THE BULLION YIELD  
OF THE  
**SPRING VALLEY MINE,**  
From the Consolidation of the Cherokee and Spring Valley  
Mines in 1873 to date.

Year.	Date of Close-up.	Total Yield.	Year.	Date of Close-up.	Total Yield
1870—	February 20.....	\$4,820 00	1870—	February 18.....	\$11,564 99
	March 3.....	35,471 78		March 3.....	65,050 11
	April 9.....	12,400 03		April 9.....	26,068 34
	May 9.....	23,000 04		" 11.....	5,000 20
	June 4.....	29,645 05		" 18.....	22,423 03
	June 19.....	16,500 18		" 25.....	27,075 10
	August 8.....	8,800 49		" 28.....	26,959 77
	September 13.....	40,852 59		June 5.....	27,735 15
	October 20.....	71,273 15		July 17.....	59,259 23
	November 24.....	62,261 71		September 22.....	23,213 23
	January 9.....	89,017 04		November 28.....	38,060 18
				December 1.....	15,149 29
		\$335,097 23		January 20.....	31,053 77
					\$400,320 64
1874—	February 22.....	72,200 87	1877—	February 10.....	11,850 12
	April.....	43,908 33		March 23.....	11,750 91
	April 9.....	40,800 09		April 10.....	23,152 87
	May 11.....	12,363 35		May 4.....	26,030 11
	May 25.....	29,000 02		June 18.....	69,843 28
	July 15.....	18,000 40		July 31.....	17,950 10
	August 4.....	40,987 43		August 8.....	63,313 41
	September 23.....	25,431 54		September 15.....	31,201 01
	November 2.....	16,731 81		December 8.....	31,189 24
	November 8.....	67,441 07		January 9.....	20,473 03
	November 8.....	683 93			\$392,980 21
	December 22.....	60,616 19	1878—	March 9.....	34,170 10
		\$400,893 08		March 23.....	25,480 20
1875—	February 12.....	60,400 00		May 27.....	18,210 04
	March.....	9 87		June 7.....	31,258 87
	April 10.....	72,029 14		October 22.....	49,800 05
	May 18.....	47,004 09		January.....	90,185 40
	July 15.....	63,200 54			\$230,211 88
	September 5.....	14,004 03	1879—	February 1.....	15,000 00
	October 15.....	18,842 17		May 9.....	51,728 03
	November 9.....	21,846 23		October 23.....	27,250 20
	December 10.....	16,018 44			\$6,000 00
	November 5.....	2,423 10			
	December 20.....	11,148 19			
	January 21.....	80,191 04			
		\$350,715 89			
				Total.....	\$5,272,564 69

## SCHEDULE OF PROPERTY

### Belonging to the Spring Valley Mining & Irrigating Company.

#### MINING CLAIMS.

Land included in patent.....	\$19 80-100 acres
Kerr & Green claim.....	2 48-100 acres
28-40 Wild Tranche.....	6 48-100 acres
<b>Total.....</b>	<b>\$28 76-100 acres</b>

Large claim on Butte Creek (value uncertain); land purchased to provide dump for tailings, about 4,680 acres.

#### RESERVOIRS.

Concow, which covers 210 acres, and cost \$70,874 98; Round Valley, area 160 acres, cost \$8,870 65; also Grub Flat, Littlefield, Hutschason, Tom Jones, Olason, Spring Valley, Campbellfield, and Table Mountain, 10 acres.

#### DITCHES.

Dowey & Misers, 545, 80 miles; Butte Creek to Concow Reservoir, 25 miles; with 1,000 feet 80-inch pipe at Little Butte Creek, and 3,780 feet 30-inch pipe at the west branch of the North Fork, also 8454; Fall Creek Ditch, 443, 21 miles; Concow Reservoir, to Cherokee, with 14,000 feet 48-inch pipe across west branch, and 3,830 feet of 48-inch pipe to Grub Flat Reservoir, 10 miles; Oregon and Table Mountain Ditch, 17 miles; Irish Ditch and Reservoir, 6 miles. Total, 961 miles.

#### TUNNELS.

Welch, Euroka and Cherokee equipment of claims. 30,480 feet of 4, 5, 6-foot flumes; 20 under currents; 16 plants; 2 derricks; 12 gates and distributors; 5,000 feet 22-inch pipe; 2,800 feet 16-inch pipe.

#### BUILDINGS, ETC.

Stone office; store; barn; blacksmith shop; lumber shed, and sandy small buildings in the pit.

#### TELEGRAPH LINE.

Cherokee to Oroville, connecting with lines of the Western Union, say twelve miles, with complete outfit.

#### GENERAL SUPPLIES.

Quicksilver, about 6 tons; 60 tons hay; 500 sacks barley; 2 wagons; 4 horses; lumber; iron; steel; powder; fuses; tools, and a full line of everything required in the works.

MEMORANDUM

Period	Miles	Production	Value	
			Per Mile	Total
1894-1895	1,112	\$1,112	\$1.00	\$1,112
1895-1896	40,699	74	22.50	1,798.00
1896-1897	50,918	00	200.00	10,183.60
1897-1898	51,535	53	4,957.00	4,000.00
1898-1899	51,542	81	500.00	95,681.50
1899-1900	22,173	11	9,811.51	95,681.50

Billings Products.....

Powder dynamite salt water valves.....

Expenses of Mining (including taxes).....

Total say \$21,700.00—\$27,500.00—

The last 30 days closed up was \$98,701.00.

# MEMORANDUM, SHOWING OPERATIONS OF SPRING VALLEY MINING AND IRRIGATING COMPANY,

From June 16th, 1873 to October 31st, 1879.

R E C E I P T S .					E X P E N D I T U R E S .												
Period.	Dollars.	Flourish Dis-		Ranches Sold.	Bills Payable and Accounts.	Total.	Expense of Mining.	Water Pipes, Reservoirs & Quicksilver.		PURCHASES.		Expense of Ranches.	Interest Paid.	Dividends.	Bills Payable and Accounts.	Total.	
		countered	Water Sales.					Product	Quicksilver.	Mining	Ranches.						
6 Mo - Jul. 18																	
18 - 1874	\$476,112 23	\$880 00			\$144,897 45	621,009 68	\$186,877 79	\$87,807 14	\$67,139 20	\$247,450 00			\$1,205 21	\$100,000 00	\$2,079 26	\$621,609 68	
74 - 1875	461,609 91	78 00			80,000 00	481,688 10	149,826 46	24,876 89	28,200 00	75,876 88			3,638 44	85,000 00	119,566 47	481,688 10	
76 - 1876	466,891 74	82 00		\$5,449 91	124,757 88	687,281 98	159,809 77	4,261 54	109,811 01	91,799 00			14,079 21	80,000 00	96,868 48	687,281 98	
76 - 1876	885,876 00	200 00	11,699 00	17,928 67	288,928 74	949,024 81	198,548 00	7,264 53	182,499 70	26,646 69	\$25,217 00		48,914 00	50,000 00	149,914 70	949,024 81	
77 - Oct. 31 1876	314,208 86	4,406 00	48,085 00	12,006 28	72,838 00	446,828 08	186,918 89	9,600 00	5,638 00	9,570 81	10,896 41		82,819 40	100,000 00	181,789 47	446,828 08	
78 - Oct. 31 1878	219,642 88	900 01		6,854 82	55,616 64	282,460 85	103,608 81	937 20	14,414 81	49,258 90	29,888 21		24,689 78		64,704 78	282,460 85	
<b>Totals,</b>	<b>\$2,168,726 11</b>	<b>\$8,881 61</b>	<b>\$54,681 00</b>	<b>\$41,889 89</b>	<b>\$74,707 40</b>	<b>\$3,018,285 00</b>	<b>\$820,179 40</b>	<b>\$94,284 80</b>	<b>\$868,909 20</b>	<b>\$68,684 90</b>	<b>\$97,487 56</b>		<b>\$120,919 73</b>	<b>\$465,000 00</b>	<b>\$572,800 10</b>	<b>\$3,018,285 80</b>	

R E C A P I T U L A T I O N .	
Bullion Product.....	\$2,168,726.11
Under discount and water sales.....	6,881.61
Expenses of Mining (including taxes).....	\$20,179.40
Expenses of Mining (including taxes).....	\$1,889,878.22
Expenses of Mining (including taxes).....	189,177.26
	\$1,939,055.47
Improvements (water pipes, reservoirs, and quicksilver).....	\$84,284.80
Mining Claims purchased.....	268,909.20
Ranches, Purchases, \$698,484.90 - Less Sales, \$64,681.00.....	\$633,803.90
Expenses, \$81,487.56 - Less Product, \$41,889.88.....	\$39,597.68
Interest, paid on current obligations.....	120,919.73
Dividends, returned to Stockholders.....	465,000.00
	\$1,939,055.47

The last 70 days close up was \$80,791.00.

\* Probably \$20,000 of this sum should have been charged to expenses.

† Some of the crop of 1879 remains unsold, which will be a future credit to this account.

## REPORT.

[This is the official report made eight years ago to the Board of Directors of the Cherokee Flat Blue Gravel Company for their personal use and guidance.]

To the President of the Cherokee Flat Blue Gravel Co.

SIR: Having been requested by you to make an ample and correct report of all matters pertaining to the property of the Company, I hereby submit the following, trusting it will have your approval.

CHEROKEE, Butte Co., Cal., Oct. 3, 1871.

Respectfully your ob't serv't,

CHARLES WALDEYER,

General Superintendent.

### THE BLUE LEAD.

Amongst the great gravel deposits of California, the "BLUE LEAD" has attracted the greatest attention. Not only its position, which is immediately upon the "bed rock," but also its color, varying from a dark green to a bright indigo color, prove it to be the *oldest gravel deposit* on the Pacific coast.

Its color evidently resulted from the substratum of "bed rock," the grinding away of which afforded the pigment to dye the quartz and other debris, and the sulphurets of iron, by a chemical change, assisted in making this color "fast."

It is hardly reasonable to ascribe the creation of the "blue lead," and the gravel deposits overlying it, merely to the action of water, and we must call to assistance the

### GLACIAL MOTION THEORY

of Professor Agassiz.

Before entering upon the above mentioned task, it will be necessary to inquire:

How was the quartz, the matrix of almost all the gold found in California, supplied? Can we really believe that enough quartz ledges were destroyed

to cover from fifty to a hundred square miles with nothing but quartz gravel and quartz sand from two to three hundred feet deep?

Would all the known quartz ledges of California, rising from unknown depths, even ten times higher than Mount Blanc, have been sufficient to furnish one repurchase?



How was the quartz, the matrix, and almost all the gold found in California supplied? Can we really believe that enough quartz ledges were destroyed

*Reports on the Spring Valley Hydraulic Gold Company.*

21

to cover from fifty to a hundred square miles with nothing but quartz gravel and quartz sand from two to three hundred feet deep?

Would all the known quartz ledges of California, rising from unknown depths, even ten times higher than Mount Blanc, have been sufficient to furnish one ten-thousandth part of the quartz gravel deposits now found in this country?

After considerations like the foregoing, it must become evident to the investigator, that the quartz before ground into pebbles and sand, existed in huge masses, and in such a position that any great grinding force, or power of attrition, could be applied more or less directly to it.

This point agreed upon, will it not be an easy task to account for the existence of quartz in enormous masses, covering the hillside and filling the vale? Adopting the theory that the quartz in a molten state was forced from the bowels of our globe, through fissures in its crust, to the surface, we must come to the conclusion that, as long as the expelling force lasted, the flow of molten quartz would continue, not only filling the fissures to the surface, but pouring in a broad sheet over the lips of the fissure, and seeking, like molten lava, or any other fluid matter, its level.

Here then is a source for quartz, supplying all wants, for we have made the existing quartz ledges nothing but extinguished craters, belching in bygone ages their golden streams in every direction.

Any other theory about the creation of quartz ledges will do just as well as the igneous, adopted above, for it must be presumed that, even if the fissures, now containing the quartz, were filled from the surface, then there is no reason to doubt that *immensely more silicious matter was on hand than to fill merely the comparatively few fissures*, and we have again enormous deposits of quartz on the surface, waiting for nature's great crushing process.

The Glacial Motion Theory of Professor Agassiz accounts at once for the existence of the great deposits of drift, not only in and near the valleys of our State, but also on the highest mountain tops of the Sierra Nevada.

According to the Professor's theory, immense ice-fields, thousands of feet deep, covered the continents, and commenced at a certain period their slow motion from north to south, crushing and grinding under their immense weight whatsoever might be subjected to their pressure, or ploughing deep and broad furrows in their onward march; which later, as far as California is concerned, must have formed the channel for those ancient streams, called by a certain writer the "dead rivers of California."

In support of this theory of Mr. Agassiz, who certainly formed it upon a broader basis than the evidences of the physical geography of California, it must be stated that these ancient channels or "dead rivers" of California, now the depositories of the different "blue leads" and their overlying quartz

gravel strata, run all in the same direction, to wit, from north to south, when all the modern rivers of California debouch into the Pacific Ocean to the west.

It must be evident that this "Glacial Motion" was the beginning of the latest thermal change, and that, when the ice had disappeared, immense floods succeeded, washing the crushed "pulp" into channels and streambeds, and filling them to the depth of hundreds of feet, as evidenced by existing deposits.

Whether the views advanced in the foregoing lines are correct or not, will be immaterial; however, they may illustrate that:

1. The great gravel deposits of California are only an accumulation of the same gold-bearing material which is now extracted from the quartz veins.

2. That nature, though in a crude manner, performed the operation of crushing, and facilitated thus the extraction of gold.

3. That gravel mining, under the modern improvements, will be the most extensive, the most lasting, and the most remunerative mining operation carried on in the State.

The great "blue lead" and gravel deposit in Butte County, claiming our particular attention, will be made the object of a careful description.

#### LOCATION OF THE LEAD.

This deposit occurs under a "Plateau," known as the *Tanow* or Butte County Table Mountain, extending for a distance of about eight miles from Cherokee Flat, in the north, to Thompson's Flat, in the south, having a width of from two to four miles. It is bounded on its western side by the Sacramento Valley, and on the south, east and north by Feather River and its tributaries, the North Fork and West Branch, so that from all sides an ascent of nearly one thousand feet has to be overcome.

Geographically it is situated between 121 and 122 degrees western longitude and 37 and 38 degrees northern latitude, and, according to the United States Land Survey, is covered by Sections 28, 30, 31, 32, 33 of Township 21, north, Range 4, east, by Sections 4, 6, 8, 7, 8, 9, 10, 11, 12, 13, 14, 20, 21, 22, 23, 29, 30, 31, 32, 33, 34 of Township 20, north, Range 4, east, and by Sections 3, 4, 5 of Township 10, north, Range 4, east, Mount Diablo Meridian.

Ever since the earliest days of gold mining in California, the surroundings of the above mentioned "plateau," or table land, offered the richest harvest to the miner.

Every ravine descending from this plateau, or near it, became celebrated for its richness. Cherokee Flat, at its northern point, and Morris' Ravine near its southern point, yielded their millions to the most primitive applications.

The miner, in these days, was satisfied to find the gold, and inquired not whence it might have come; but when these ravines and gullies, which were actually nothing but nature's "sluice boxes," had been worked out, then the

question arose: Where is the storehouse from which all this gold has been drawn?—and every indication pointed towards the great *Tanana* or *Table Mountain*.

#### INTRODUCTION OF WATER.

As the mode of mining improved, and particularly when hydrostatic pressure was employed, known in California as the *Hydraulic Process*, then the peculiar and isolated situation of *Cherokee Flat*, which justly can claim the richest and most extensive gravel deposit in the State, was seriously felt. It was considered next to impossible to bring living water in sufficient quantities to that place. The only way to bring such water was either from the *West Branch*, or *North Fork*, both tributaries of *Feather River*, and in either way across the chasms formed by these streams, which flow nearly a thousand feet below the level of *Cherokee Flat*.

Reservoirs and ditches, at the expenditure of hundreds of thousands of dollars, were constructed merely to catch and store away the rainwater during the winter seasons, and thus the means for two or three months' mining were obtained. The splendid results of these short mining seasons challenged again and again the energies of enterprising men, and several unsuccessful attempts were made to enlist capital in the introduction of living water to these mines. The idea to carry water by means of pipes across chasms of 9,000 or 1,000 feet vertical depth, startled even mining engineers of note in the United States and England, and their estimates were either so enormous as to costs, or so doubtful as to success, that even the most daring abandoned the scheme.

And thus, up to the early summer of 1870, the mines depended altogether on rainwater, but yielded so largely that a party of San Francisco capitalists, in connection with the *Spring Valley Mining Co.* of *Cherokee Flat*, took the matter in hand, and after six months' labor, a sheet-iron pipe, 30 inches in diameter, discharged in a steady and even flow a thousand inches of water.

This water was taken from some small tributaries of the *North Fork*, known as "*Flea Valley creek*," "*Camp creek*," and the unusual dry season of California lessened the supply of water to about a regular flow of 900 inches for the whole 24 hours. Besides this rather small supply of water, the *Spring Valley Canal and Mining Co.* had not only difficulties on account of the insufficient depth of its tunnel—a lower tunnel not being finished—but also on account of those constant improvements which an altogether new *modus operandi* generally necessitates; but still this company produced a fraction of over one thousand dollars for every day's washing, which yield will certainly be doubled in the future by the greater supply of water and other signal improvements now under hand.

The enterprise of the Spring Valley Canal and Mining Co., being the most important of the kind in this State, in fact being the first which has overcome a depression of between 800 and 1,000 feet (such a one being formed by the chasm through which the West Branch flows), deserves nearer description.

The water is carried in a ditch past Yankee Hill to a point on the north side of West Branch, said point being 350 vertical feet higher than the point where the West Branch is crossed, when a sheet-iron pipe receives the water, carrying it down the slope of the mountain to the crossing of the West Branch, and thence up Cherokee Hill to a vertical height of 800 feet, where the water is discharged again into a ditch and carried to the mines for use.

The pipe has a diameter of 30 inches, is over two miles in length, and constructed of the best boiler-iron—the heaviest being  $\frac{1}{2}$  of an inch. As the diagram will show, the pipe on the Yankee Hill side is 150 vertical feet higher than the pipe on the Cherokee Hill side, where the water is discharged, so that there is a "head" of 150 feet. The water, however, during its greatest supply and heaviest discharge, never rose more than 50 feet on the Yankee Hill side over the point of its discharge on the Cherokee Flat Hill side, and was then estimated equal to 1,600 inches, miners' measure\* (*i. e.*, water discharged under a "head" or pressure of six inches).

I mention this fact to show that a 30-inch pipe would be able to carry any desirable amount of water, provided a similar "head" is given.

The Spring Valley Canal and Mining Co. estimates its expenditure for pipe, ditches, reservoirs, etc., at \$800,000, independent of the old works, as tunnels, etc.

The pipe alone is an item of between \$55,000 and \$100,000 (delivered at the foundry).

The experience so far gained shows that, under ordinary circumstances, and provided that even a moderate supply of water—say one thousand inches—is received for the whole year, one year would be sufficient to clear the whole expenditure of \$800,000.

However, the expectations of this company go far beyond the results of its practical experience, for the reason that the gravel deposits increase in richness as the deeper parts of the channel (or those parts farther removed from the rim rock or riverbank) are reached, when particularly the "blue lead" develops finely, yielding from five to fifteen dollars per ton.

Since the Spring Valley Co. lead the way in introducing water to Cherokee and the rich mines of Table Mountain, other companies have commenced similar operations, amongst them "Hendrick's & Co.," taking the water from the upper part of West Branch, and carrying the same by ditch and pipe to

\* *Note.*—An inch of water, about 24 cubic feet per minute, the water that will run out of an opening 1 inch square, or section under head of 6 inches.

"Morris' Ravine," a point where the same gravel deposit—entered here at Cherokee from the north-west—is entered from the south-east; proving equally rich and extensive, and proving thus, to the most skeptical, the unbroken continuation of the great "Gravel Lead" under Table Mountain.

Morris' Ravine itself is about five miles below Cherokee Flat and between four and five hundred feet lower, counting from the bed rock exposed in the Spring Valley Co's claims to the bed rock in Morris' Ravine, thus showing a fall of one hundred feet per mile to the channel under Table Mountain.

It may here just as well be mentioned that the "rim rock" on the eastern side of Table Mountain is a great deal higher than the "rim rock" on the western or valley side, and that the plateau of Table Mountain itself has a double inclination—one from north to south, evidently due to the natural fall of the old channel, and the other from east to west, very likely due to the fact that after the Table Mountain was formed, the mountain chain of the Sierra Nevada rose slowly under the many volcanic disturbances to which this country has evidently been subjected, and tilted the Table Mountain from east to west.

The gold found in the deposits under and near Table Mountain is of unusual fineness, averaging from 951-1000 990-1000 fine, and vary in size from the finest flower gold, generally contained. In the upper gravel deposits, to nuggets weighing many ounces, found on and near the bed rock.

#### OPENING THE MINES.

In opening the great "Lead" under Table Mountain by expensive tunnels, without actually knowing the depth of the channel or basin in which the richest part of the deposit rests, great risks had to be taken, the more so as only very few places for such tunnels combined the desirable advantages, to wit:

1. Sufficient depth to drain and work the basin under all circumstances.
2. Proximity to the mine, so that a tunnel of moderate length would suffice to operate; and
3. Ample room for all tallings or washings, after the gold was extracted.

The wanting or overlooking of these three requisites, or any of them, has been a source of much unprofitable labor and great expenditure in mining operations on the Pacific coast; nevertheless the desire to travel the shortest road to fortune proved, again and again, stronger than all dearly-bought lessons, and so we have, here at Cherokee, after the expenditure of hundreds of thousands of dollars for tunnels and other "outlets," only one tunnel which combines all the requisites mentioned before. The tunnel belongs to the

## "CHEROKEE FLAT BLUE GRAVEL CO."

This company, originally called the "Butte Table Mountain Consolidated Mining Co.," has been since fifteen years in possession of its mining ground, consisting of about one thousand acres, and expended about \$160,000 on improvements, such as tunnels, inclines, shafts, reservoirs and machinery.

## TITLE TO MINING GROUND.

To wind up the affairs of the Butte Table Mountain Consolidated Mining Co. a "friendly lawsuit" was commenced in the year 1896, before the District Court of the Second Judicial District, at Oroville, Butte Co., Cal., judgment acknowledged, and the property was in consequence, and to satisfy judgment, sold at public auction, at the Court House, Oroville, by the sheriff of Butte Co., to the highest bidder, and was purchased by an agent of the former stockholders of the Butte Table Mountain Consolidated Mining Co., who transferred the same property to the CHEROKEE FLAT BLUE GRAVEL CO., the new style under which the old stockholders incorporated, said incorporation taking place October 19th, 1896, and continuing up to this date, with a capital stock of 650 shares at \$100 each, and

ALEXANDER CASELLI, Esq., as President,  
HENRY PICHON, Esq., as Secretary.

Thus the title is beyond dispute, as the present claimants and their predecessors are the first occupiers of this ground, and have held it in undisturbed possession for over fifteen years, when the laws of limitation of California make two years the period for a legal possession of mining ground.

The improvements of this Company consist of a Tunnel 6 by 6 feet and 1,542 feet long, an incline some 800 feet long, and some Shafts, Drain Tunnels, Reservoirs, Ditches, etc., of minor importance.

The mining ground, as the map will show, stretches in a south-easterly direction, for 10,000 feet across the Channel or Basin, from "rim to rim," or shore to shore, and for 4,500 feet down the Channel, south, towards Morris' Ravine.

## PRODUCTION AND VALUE OF GROUND.

The Spring Valley Canal and Mining Company, being the nearest neighbor claiming along the upper line, has worked within one hundred feet of said boundary line, as designated on the map, and developed in the progress of work richer gravel deposits than ever seen before at this place. This same company bought a piece of ground, being about 300 x 400 feet, from a certain John Welch, paying for this ground \$31,800 in United States gold coin, at which price an acre would be worth a fraction over \$17,000, when the yield per acre, according to the statistics of more than fifteen years, would be from

\$80,000 to \$80,000. But considering that all the mining operations at Cherokee Flat have been merely confined to the outskirts of the "lead," or what, in miner's parlance, is termed the "outside wash," and that, therefore, only the lighter particles of gold were reached; that, furthermore, and in support of this view, heavier and larger gold is reached as the channel deepens, and that, therefore, the yield increases and will increase for thousands of feet ahead, we must come to the conclusion that all the riches, so far developed, are nothing but a slight indication of what the future will disclose.

Throughout California, Cherokee Flat and the Table Mountain Lead are justly considered the richest gravel deposits in the State, and the closest investigation will confirm every statement made in this regard, and will show that the broad gravel stream enters, in its whole width, the boundary of the Cherokee Flat Blue Gravel Co's mining claim, and emerges again visibly at Morris' Ravine, directly south. Therefore, the existence of the "lead"—undoubtedly the main point—must be considered established, the more so when this "lead" shows itself in a thickness of from 800 to 400 feet, and in width of from one to two miles; and the next consideration must be: How and by what means to work this "lead?"

#### TUNNEL AND INCLINE.

The answers to this question would be:

1. By a tunnel combining the three requisites mentioned, page 25, under 1, 2, 3.
  2. By the introduction of a steady and sufficient stream of water—say 2,000 inches—procuring thus the means for extensive hydraulic operations; and
  3. By drifting the richest part of the "blue lead"—the same way that stone-coal is extracted—and using in the drifts sluice boxes and water, instead of tramways and cars, to dispose of the ore, which *modo* would save the most expensive part of drift mining, the transportation of the ore, the different gravel deposits in the channel or basin, as well as the different tunnels entering the channel or basin, shows at once that the tunnel of the Cherokee Flat Blue Gravel Co. combines all the necessary requisites, and is destined to be the great outlet for the immense gravel deposit before us.
- This tunnel, when reaching point A of the incline (800 feet from its present terminus), must be connected with the incline, either by a vertical shaft, or by a slope, interrupted here and there by terraces or benches, so that the gravel, rushing down this connection, receives the benefit of an additional crushing, which is so important that, in the most reputed gravel mines in this State, new tunnels are constructed with the single view to have them deep enough to admit of this crushing process.

The incline was constructed for the purpose of ascertaining the depth of the basin, so as to be a sure guide in the continuation of the tunnel, and, at the same time, to test the different gravel formations, which had to be cut diagonally, and proved, from the lighter quartz gravel down to the "rotten boulders" and blue gravel, identical with the already exposed part of the great gravel deposit.

This incline will be of the greatest advantage whenever a connection with the surface will have to be made for the purpose of commencing hydraulic operations, as the water can be introduced by pipes to the bottom of the incline, and there, under the greatest pressure, be used to wash the gravel through the then established connection between the incline and deep tunnel.

The upper quartz gravel, cut in the incline, and of which the main body of Table Mountain is composed, in a body of from 250 to 300 feet deep, consists altogether of quartz pebbles and quartz sand, and carries very fine particles of gold. The two lower strata, however, the "rotten boulders" and blue lead or gravel, are mixed, more or less, with different boulders, the former of clay slate, the latter of talc-slate. Both strata are very rich in gold, and average each from five to twenty-five feet in thickness.

The "rotten boulders," as they are called on account of the softness of the boulders, have so far been the chief resources for gold at this place, as they were easily reached, lying above the "blue lead." This stratum seems to be peculiar to the Table Mountain deposit, and is not found in any other mining locality.

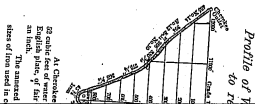
The Cherokee Mining Co. one of the oldest and most successful mining companies of this place, working, for want of a lower "outlet," altogether altogether on rainwater, collected in large reservoirs, produces from \$80,000, to \$100,000 every year, during the few rainy months. This company is now engaged to construct a large ditch from Butte Creek to the north-west of this place, and to carry it also by pipe over a wide and deep depression to Cherokee.

#### COST OF DITCH AND PIPE.

The Cherokee Flat Blue Gravel Co. with its advantages of an inexhaustible mine and an always sufficient tunnel, must now look to procure water from a source which will be adequate to the other favorable conditions; and here the North Fork of Feather river offers the surest, and therefore cheapest supply.

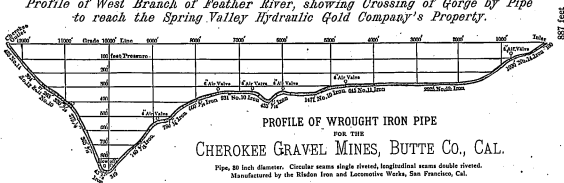
The accompanying map gives a correct representation of the distances and elevations.

The projected ditch, though placed at random—that is, without special survey—may be estimated, approximately, as to distance and costs.





Profile of West Branch of Feather River, showing Crossing of Gorge by Pipe  
to reach the Spring Valley Hydraulic Gold Company's Property.



PROFILE OF WROUGHT IRON PIPE  
FOR THE  
CHEROKEE GRAVEL MINES, BUTTE CO., CAL.

Pipe 30 inch diameter. Coupler seams single flanged, longitudinal seams double flanged.  
Manufactured by the Holden Iron and Locomotive Works, San Francisco, Cal.

At Cherokee there is an inverted siphon of wrought iron. The pipe has an approximate inner diameter of 30 inches, discharging 50 cubic feet of water per second. It has been in continuous use for five years, and now in first-class order. The iron used was ordinary English plate, of fair quality. The greatest pressure it sustains is 887 feet, and the thickness of the iron at that point is three-eighths of an inch.

The annexed plan, taken from the original survey, on file in the office of the company, shows the line of the pipe and different sizes of iron used in construction of the siphon. The maximum strains on the several sizes of iron used are given in the following table.

SIZE OF IRON.		GREATEST PRESSURE.		Maximum loads strain on iron per square inch in pounds.
No.	Thickness in decimals of an inch.	Feet.	Pounds.	
14	.083	170	74	13,374
12	.103	223	125	17,292
11	.112	233	127	15,376
10	.134	255	154	17,240
8-16	.157	455	188	15,080
8	.250	594	207	15,420
5-16	.312	845	265	17,534
3	.375	887	284	15,260

This preparation of the profile of the river, and the plan of the pipe, was made by the U.S. Geol. Surv. under the direction of the Chief Engineer, U.S. Geol. Surv., and the assistance of the U.S. Geol. Surv. only the Chief Engineer, U.S. Geol. Surv., and the assistance of the U.S. Geol. Surv.

A former survey, the particulars of which are not at hand, placed the point to take the water from North Fork at Rock Creek, which, along the meanderings of the river to the point on the north side of West Branch, where a pipe would have to be used, makes a distance of 27 miles. From this point to the discharge of water in the reservoir would need about three miles of pipe.

Timber for fluming, etc., is abundant; a portable saw-mill would supply what is wanted. The ditch must be commenced all along the line, but rapidly finished from the head-dam downward, so that it can be made the conveyance for sawed lumber, where such is needed for fluming, etc.

According to estimates of pretty reliable parties, who know the country well, \$250,000 would be sufficient to build a ditch and a pipe able to supply 2,000 inches of running water, miner's measure, and one summer's time would suffice to do so.

Other expenses, as extension of tunnel and building of reservoir for hydraulic pipes, etc., can be covered with \$50,000.

#### THE DIAMOND DRILL.

The new tunneling machine—the diamond drill—as it is now used in this country, at Smartsville, Nevada Co., and other places, has worked the greatest change in mining operations. This machine works in the hardest kind of trap rock from 3 to 5 feet, of a 6 x 7 tunnel, in 24 hours.

The rock in the Blue Gravel Co's tunnel can be worked at \$20 per foot, by manual labor, and the diamond-drill machine would put the tunnel in readiness for operation in six months.

#### GENERAL CONSIDERATIONS.

The very favorable location of the Cherokee Flat Blue Gravel Co's mine would permit the washing of the upper gravel strata, without using a tunnel at all, by merely setting sluice boxes on the surface and washing the debris down into the valley below, a plan which will facilitate the mining operation beyond appreciation, not only by removing the danger arising from too high banks, but also by disposing of immense quantities of matter without overcharging the sluice boxes confined in the deeper tunnel, and reserving these latter for the more valuable material.

The Reservoir located to supply the hydraulic apparatus is 275 feet higher than the point of discharge, and the power thus created is immense.

Here is, then, an operation of which the result might be calculated to a mathematical truth. All depends on the steady supply of water, and the yield of the mines can be doubled and even quadrupled. The gold-bearing

*Reports on the Spring Valley Hydraulic Gold Company.* 31

material is here in inexhaustible and visible masses, and waits for the hand of energy to be turned to usefulness.

Closing this report, I must remark that the views and opinions discussed in its beginning may be modified to each individual taste, but that the "facts" are stated under the firm impression of their unalterable truth.

CHARLES WALDEYER,  
*General Superintendent C. F. B. G. Co.*

STATE OF CALIFORNIA, }  
County of Butte } ss.:

On this third day of October, A. D. one thousand eight hundred and seventy-one, before me, Jas. C. Martin, a notary public in and for said Butte county, duly commissioned and sworn, personally appeared Charles Waldeyer, of Cherokee Flat, Butte county, well known to me, who, first having been duly sworn upon his oath, declares, that the foregoing report made by him as the Superintendent of the Cherokee Flat Blue Gravel Company, is founded in fact and in all respects true, to the best of his knowledge and belief.

In witness whereof, I have hereunto set my hand and affixed my official seal, the day and year in this certificate first above written.

JAS. C. MARTIN.

The above report has my entire approval.

A. CASELLI,  
*President.*

Mr. Charles Waldeyer, who has been Superintendent of the Cherokee Flat Blue Gravel Company (one of the properties embraced in this consolidation) for the last twenty-five years, has, in addition to his report, written the following:

### SUPPLEMENTARY REPORT.

EDWARD BATES DORSEY, Esq.,

*President United States Mining Investment Company.*

DEAR SIR—The unworked bottom gravel in the Spring Valley Mine shows near the bed-rock much coarse gold, and will pay well for systematic workings whenever a clean sweep can be made from the bare bedrock. Mr. Stretch's statement as to the gold contents in this bottom gravel is evidently placed upon the rich development near the exposed bedrock—witnessed by him, when he was here—but can, in my opinion, not be maintained for the whole thickness of the unworked bottom gravel.

After reading Mr. Stretch's Report, on my arrival in San Francisco early in October last, I mentioned my impression to him in regard to said bottom gravel, but found him an earnest advocate of his statements being correct, citing numerous cases, where exactly similar bottom gravels had been neglected for many years as of little value, but finally proved of unsurpassed richness. I did not feel called upon to lessen the estimated value of the Spring Valley Mine, as such action might have seemed to be dictated by a selfish purpose, and would have destroyed my friendly intercourse with the members of Spring Valley Co. for the future.

But the principal cause of my acquiescence in regard to Report on bottom gravels was the fact that the overestimate of their value did not detract in any way from the real intrinsic value of the combined mines—the Blue Gravel Co. and the Spring Valley Co.—as I honestly believe that the estimated gold content of said mines is far greater than given in Report.

To explain this statement, I must refer to Mr. Stretch's Report, which never takes in consideration the working of said bottom gravels in the Blue Gravel Co's claims, after the deep tunnel is finished, nor gives credit for the increasing richness of the general gravel deposits, as this Blue Gravel Co's ground is reached, of which the clean-up of October last gives such incontestable evidence, proving the value per acre, independent of bottom gravel, to be \$240,000, to wit:

An area of  $25 \times 75$  feet — to 18,750 [ ] feet produced \$60,000; according to which an acre, containing 43,560 [ ] feet, will produce \$240,000.

Furthermore, Mr. Stretch calculates only 6 feet of drifting gravel, when, in the course of time, certainly 18 feet of such gravel can be removed by drifting, as the unworked gravel will settle down solidly in a number of years, and a second and third drifting operation can be excavated.

As to the washing of the mine, before the deep tunnel is finished, I would commence operations at the point where the October clean-up was made, wash enough top gravel to keep men and machinery safe, place then the hydraulic chieft in such a position as to enable me to drive the rich gravel deposit before me into the sluice boxes by main force, if force was wanting, and to save thus a great deal of manual labor.

I am confident to make in this way as good clean-ups as ever were made till the deep tunnel is completed.

CHARLES WALDEYER, M. E.

CHEROKEE, Butte Co., Cal., December 22d, 1876.

EXTRACTS FROM REPORT OF HAMILTON SMITH, JR., M. E., DATED SAN FRANCISCO, DECEMBER 23, 1877.

APPLIANCES FOR MINING.

The Spring Valley Mine is well fitted up with all the machinery and supplies requisite in hydraulic mining—whose value aggregates many thousands of dollars—and no further expenditures for such purposes will be needed, except in making good the ordinary wear and tear of future mining.

WATER SUPPLY.

The present system of storage reservoirs, canals and pipes brings to Cherokee 50 cubic feet of water—about 2,000 miners' inches per second through the entire year: In addition to this, during the Winter months, a considerable quantity of water is collected from local sources. The annual supply can be safely stated at 800,000 miners' inches for 24 hours.

These water-works are in good order, are maintained at slight expense, and, in certainty of supply and economy of operation, compare most favorably with other similar works in the State. It is not necessary to here give a detailed description of them.

FUTURE PROFITS.

As the present flumes have light grades, and Cherokee flat gravel cannot be worked to advantage until the new tunnel is driven, I would not estimate over two hundred and fifty thousand dollars for maximum products this year, possibly less. When the new tunnel is completed, the yield of bullion, and consequent net returns, should largely increase, as, owing to its steeper grade, much more gravel can be washed per miners' inch through the new sluice than has been the case in the past, and also because then the lower and richer part of the gravel in Sawmill Ravine can be mined. At the head of this ravine, there is not less than 160 acres of gravel which can be washed through the new tunnel.

If the deep and rich channel swings to the East, so that it can be washed through these new workings, the net results should be larger than they have ever been before. However, in any event, this large extent of ground will afford good profits for very many years to come, when once opened as proposed.

In addition to the profits expected from hydraulic mining, it is most probable that the rich strata of rotten bowlders and blue gravel can be drifted (where overlaid by lava) to advantage.

At the time of the last visit of the writer to Cherokee, the lower face of the gravel, where the channel enters the Cherokee Flat claim, was covered over by slides from the top, so that it could not be seen. Persons familiar with the mine state that the lower and rich streak of gravel (the yellow rotten bowlders and overlying blue gravel), as exposed at this point, was exceptionally rich in gold, and estimate that it would yield from \$2.00 to \$2.50 per ton.

Gravel of continuous extent can be drifted at a cost of about \$1.25 per ton. Hence, if this Gravel in the Cherokee Flat Mine yields as much as stated, it can be worked with a large profit.

It is most likely that the pay channel extends through the Cherokee Flat ground for a distance of say 10,000 feet. Estimating upon above suppositions, drifting could be carried on for 20 years, with annual net returns of from \$100,000 to \$150,000.

Some little drifting has been done in years past in the Spring Valley Mines, especially in those places heretofore referred to, where the gravel was covered with pipe-clay. But this work was not extensive enough to warrant a positive expression of opinion as to what profits may in the future be expected from this source.

## DISPOSITION OF TAILINGS.

The Spring Valley Company has purchased many thousands of acres of farming lands along the course of the channel, down which flow the tailings washed from its mine. It has built levees on both sides of this channel, thus forming a canal over 20 miles (?) in length, and extending very nearly to the swamp or tule lands on Butte Creek, and into which the tailings are finally discharged.

It will be the duty of the purchaser of these mines to maintain these levees in good repair; but it is not believed that this will be a heavy tax.

The Spring Valley Company includes in its sale several thousand acres of land, situate just below its mining dump, and on which lands are several locations where retaining brush and earth dams can be built, which will hold back the future tailings from the mines at a reasonable cost.

Therefore, the purchasers of these properties need have no great fear of either adverse legislation or litigation to hydraulic miners, in regard to their rights in California to dump their gravel into running water-courses.

HAMILTON SMITH, JR.

SAN FRANCISCO, December 23d, 1879.

## DEDUCTIONS FROM HAMILTON SMITH'S REPORT.

There are 160 to 200 acres of ground that can be washed through the new tunnel, as 100 acres previously washed yielded \$4,500,000 or \$45,000 per acre, of which  $\frac{1}{2}$ , or say \$30,000 is profit.  $180 \times 30,000 = \dots \dots \dots$  \$5,400,000

He further estimates the drifting ground under the lava cap will yield net profit of from \$100,000 @ \$150,000 per annum for 20 years, or take the mean \$125,000  $\times 20 = \dots \dots \dots$  2,500,000

Total  $\dots \dots \dots$  \$7,900,000

Owing to the stormy weather which caved in the deepest workings, Mr. Smith could not examine the bottom ground that Mr. Stretch found so rich, and which is not estimated in the above.

The following telegram just received confirms Mr. Stretch's estimate:

EDWARD BATES DORSEY,

CHEROKEE, Jan. 8th, 1880.

Pres't United States Mining Investment Co.

Partial clean-up of sixty by one hundred feet bottom gravel, yielded ten thousand dollars coarse gold.

CHARLES WALDEYER.

This is less than one-seventh of an acre, which, at \$10,000 (\$70,000) in coarse gold, caught in the head sluice—probably fifty per cent. more will be caught in the lower sluices and under-currents—this will make the yield over \$700,000 per acre by actual work. In the one hundred acres previously worked by the Spring Valley Co., this has not been touched, owing to their tunnel being too high. All can be worked through the new tunnel. Of course, it also remains untouched in the one hundred and sixty to two hundred acres (Mr. Smith's estimate) remaining. It all will yield like this, the above estimate will be increased from \$450,000,000 to \$30,000,000 gross. The working expenses will be comparatively light, owing to the perfection of the plant and appliances now belonging to the mine.

In order to ascertain the present condition of the property, the following telegram was sent:

Charles Waldeyer,  
Cherokee, Cal.

New York, January 2d, 1880.

Telegram exact amount of and days work in  
November, clean up.

EDWARD BATES DORSEY,  
President.

To this the following reply was received:

Edward Bates Dorsey,

Cherokee, January 3d, 1880.

Pres. United States Mining Investment Co.,  
New York.

Seventy days run. Eighty thousand seven hundred  
ninety-one dollars.

CHAS. WALDEYER.

This is more than enough to pay 14 per cent. per month on \$2,000,000, as owing to the thorough condition of the plant the expenses are very light. It is expected this amount will be largely increased on the consolidation of the property after the purchase, and more than doubled after twelve months.

## ADDENDA.

The following is a letter just received.

CHEROKEE, BUTTE CO., CAL.  
January 11, 1880.

EDWARD BATES DORSEY, ESQ.,  
President United States Mining Investment Company,  
NEW YORK.

DEAR SIR:

I enclose a letter from Mr. Abbey, who is a reliable man, in regard to yield of bottom gravel in Cherokee Mine. His estimate of yield is very good; in fact much better than I anticipated, and there should be a considerable profit in working it.

HAMILTON SMITH, JR., M. E.

CHEROKEE, JAN. 10, 1880.

HAMILTON SMITH, ESQ.,  
DEAR SIR,

During your examination of the property of the "Spring Valley Mining and Irrigating Company," I understood you to say that it was very unsatisfactory to you to undertake to make a correct report of a mine where no measurement of the ground had been taken, nor separate accounts kept of the yield of the different strata.

During my residence here of five years our sluices have been too high to allow of working the lower strata on the main land, until within a few days of your arrival, when you will doubtless recollect we had a branch cut which entered the bottom of the gravel, and that there we began to clean off the bedrock, preparatory to erecting a derrick, with which to handle the larger boulders with greater facility; here Mr. Harris worked off a block of ground and washed it, separate from any other, down said branch-cut and sluice, and after squaring up the bank so as to accurately measure, he cleaned up the product and handed me the following report: "1466 cubic yards of blue gravel on bedrock yielded \$10,220, or \$8.76 per cubic yard from 112 feet of flume."

The depth of the gravel at this point, you will remember, was about six feet and contained a large percentage of boulders, which, of course, were all measured with the gravel.

This is a part of and a little east of the centre of the ground mentioned by Mr. Stretch, as a dark-green and blue gravel left in the pit.

The cut which you saw and 112 feet of the branch sluice was all that could be cleaned up; the gold was of a coarse quality and a good deal corroded.

Considerable of the rusty gold must have passed to the main sluices, and after being scooped as it passed down, was amalgamated and caught in the main sluices and under-currents, making the product of this lower rocky strata more than \$20 per cubic yard.

Having felt a deep interest in the value of this almost untried lower deposit, I thought that you might also be gratified on learning the result.

Yours truly,

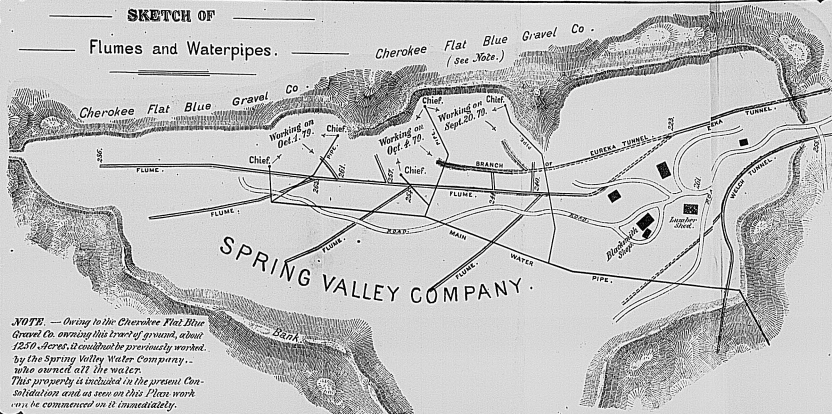
RICHARD ABBEY.

It will be noticed, by referring to Mr. Stretch's report, that he gives the estimated yield at \$5.00 per cubic yard, while by Mr. Abbey's actual working test the yield was \$8.76 per cubic yard.

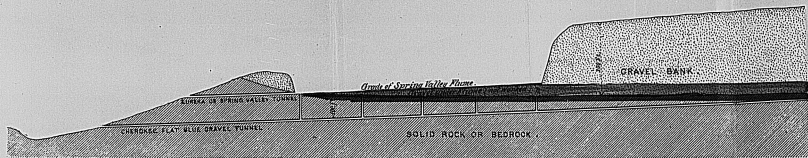


## SKETCH OF

## Flumes and Waterpipes.



*NOTE.* — Owing to the Cherokee Flat Blue Gravel Co. owning this tract of ground, about 1250 Acres, it could not be previously worked by the Spring Valley Water Company, who owned all the water. This property is included in the present Consolidation and as seen on this Plan work can be commenced on it immediately.

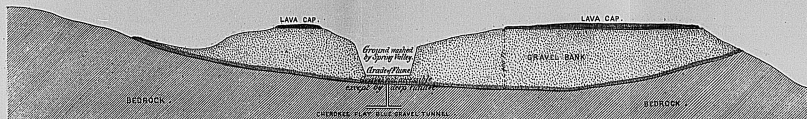


North.

South.

— North and South longitudinal Section of Gravel banks. —

(Scale = 250 Feet per Inch.)



East.

East and West Cross section of Gravel banks.

West.

(Scale = 500 Feet per Inch.)

EDWARD BATES DORSEY, President  
JOHN J. ANDREWS, Vice Pres.  
SAMUEL D. FISH, Secy. Provs.  
W. B. COLEMAN, Treasurer  
A. FORTER HIGGINS, Com. Provs.  
ARTHUR C. WILSON, Secy. Genl.

SAMUEL ANDREWS, Secy. Genl.  
JOHN J. ANDREWS, Secy. Provs.  
W. B. COLEMAN, Treasurer



New York Jan 21<sup>st</sup> 1880

Prof. T. A. Edison

Maule

My dear Sir -

My brother has sent to me  
the enclosed "lands" from his  
Red Bank Mine on the Merced  
River Cal<sup>a</sup>. Stating that there  
are large quantities, and asking  
me to have it examined and  
let me know what value there is  
in it. Will you oblige me at  
your leisure to examine it & let me  
know <sup>your opinion</sup> how <sup>it may</sup> be rich enough  
to pack to the Edison Mill in Va. reply  
will oblige you very truly  
T. A. Robinson

Don't send me a tumblerful  
of Concentration get your  
brother to fill a 2. lb.  
bag of flour panning down  
a full miners pan on  
your mercer claim &  
send it by mail ~~to~~  
so I can see what  
it looks like.

EDWARD BATES GORNER, President  
HENRY AMSCHEVER, Vice Pres.  
JOS. D. FISH, Cashier  
W. D. DUDEN, Sec. Fin.  
A. DUBOIS, Sec. Gen.  
ARTHUR P. WILLMARTH, Treas.

SAMUEL A. WHEELWRIGHT, Secy  
Geo. S. BROWN, JR., Ass. Secy  
E. JONES, Treasurer



New York, Feb. 9<sup>th</sup> 1880

Prof. P. A. Edison

Mexico. } My dear Sir -

I have my two brothers from California here, (both representatives) whom I think you will be pleased to meet & who desire to meet with you that I want to bring to Mexico some day <sup>or</sup> ~~that~~ <sup>will</sup> ~~desire~~ with your approval - please to let me know when such will please you & I will endeavor to conform to <sup>your</sup> wishes - assuring you & them of our interesting welcome I am

Yours very truly  
J. Robinson

OFFICE OF  
CHAS. GIMLAY & SON  
ROOM 22  
No 312 STOCK EXCHANGE PLACE  
Philadelphia May 26 1875

Dear Sir

Am requested  
by the U.S. Mining Ind. Co. to  
address you in copy of the  
Prospectus of the Eastern Metallurgical  
Co. and am  
Very truly  
Chas. Gimlay

Vice Presidents.  
HENRY HAVEMEYER  
JAMES D. FISK  
W. P. GUYTON  
A. FOSTER HIGGINS  
ARTHUR F. WILLMARTH.

EDWARD BATES DORSEY  
President.

H. B. LAIDLAW, Treasurer.  
SAM'L A. WHEELER, Cashier.  
GEO. BENTLEY, Secretary.  
Capital,  
\$10,000,000.

OFFICE OF  
**United States Mining Investment Co.**  
GI BROADWAY.  
INCORPORATED UNDER THE LAWS OF THE STATE OF CALIFORNIA.  
ORGANIZED TO EXAMINE AND RECOMMEND DIVIDEND PAYING MINES.

New York, April 16<sup>th</sup> 1880

F. A. Edman Esq  
of

My brother Wm L. L. Robinson  
has just rec<sup>d</sup> from the North Bloomfield Mine  
some black sands, for which he has been waiting  
before doing himself the pleasure of calling upon you  
Will it be agreeable to you to have me come  
to Menlo on Thursday next?

Wm L. L. Robinson



Vice Presidents.  
HENRY HANZHEVER  
JAMES FISH  
W. H. GUILD  
A. FOSTER HIGGINS  
ARTHUR F. WILLMARTH.

EDWARD BATES DORSEY,  
President.

H. B. LAIDLAY, Treasurer  
SAM A. WHEELWRIGHT, Secretary  
GEOBERT B. BROWN, Cashier  
W. H. HARRIS, Auditor



New York, April 26<sup>th</sup> 1880

My dear Sir -

I have to cast this a. m. too late  
to come today (Tuesday) - My letter was for  
Thursday, will be convenient, if so length  
one or receipts (collected) -

Yours  
J. A. Roberson

EDWARD BAKER CORREY, President  
HENRY BAKER, Secy.  
JAMES C. BAKER, Jr.  
W. H. BAKER, Jr.  
A. PETER BAKER, Jr.  
ARTHUR P. WILLIAMS

W. LAIRD  
SANTA ANITA, N. MEXICO  
GEORGE BAKER  
SANTA ANITA, N. MEXICO



New York April 22<sup>d</sup> 1880

J. A. Edison Esq

My dear Sir

*It will endeavor*  
to you my brother Wm L. Robinson of  
Calif., who with some friends made you  
a visit at Geneseeport in my cell to  
you & I looked for leisure and  
friends the same country that I have  
met with and with appreciation

You will know my brother as probably  
the largest representative of Hyatt's  
Mining interests in the world, and  
probably can give you further infor-  
mation than you already have, as that  
to you important subject -



UNITED STATES MINING INVESTMENT CO.

61 Broadway,

New York, July 10th, 1880.

*To the Stockholders of the Spring Valley Hydraulic Gold Company:*

GENTLEMEN:

A periodical statement of the condition of the mine will be furnished you from this time forward.

We now beg to advise you that the first clean-up under the new organization will commence about the middle of this month, and will occupy not less than ten days, so that a dividend will be declared about the end of July, notice of which will be duly furnished.

When the property passed into the hands of the Company, it was hoped and expected that the clean-up would be made in the month of June; but the delay incident to the changes necessarily made under the new consolidation, have prevented us from realizing these expectations without detriment to the real interests of the stockholders.

The change in the location of the hydraulic works, the addition of new monitors, the removal of and addition to the old flumes and sluices, and, more than all, the condition in which the property was left by the former owners, involved so much dead work as to render it desirable to postpone the clean-up until the time indicated above. As the property is now in full working order, no further delay will occur, and we anticipate hereafter an improvement on the present clean-up, whatever that may be. What it *may* be we can only roughly estimate, under advices from our engineers and Superintendent Waldeyer, but presume it will not fall short of \$90,000 gross, from which are to be deducted the extraordinary expenses incident to the changes made and the addition of new machinery, as well as the opening of the tunnel for the purpose of reaching the rich deposit of blue gravel lying on the bed-rock, which tunnel has already been located, and will be vigorously pushed, so that we hope to inform you of its completion early next year.

This brief statement will be followed by another, advising you of the result of the clean-up, about the end of the month.

S. A. WHEELWRIGHT,

*Secretary.*

Vice President,  
HENRY HAVENFEST,  
JAMES G. FISH,  
W. C. BROWN,  
A. FOSTER HIGGINS,  
ARTHUR F. WILLIAMS.

EDWARD BATES DORSEY,  
PRESIDENT.

H. B. LAIDLAW, Treasurer,  
SAMUEL WHEELWRIGHT,  
JOHN  
COUDERT BROS.  
NEW YORK & PLAINFIELD

# United States Mining Investment Co.

OF  
THE  
GIBBERDWAY.

INCORPORATED UNDER THE LAWS OF THE STATE OF NEW YORK.  
ORGANIZED TO EXAMINE AND RECOMMEND DIVIDED PAYSING MINES.

New York July 10<sup>th</sup> 1880.

S. A. Edison Esq.  
Menlo Park, N. J.

My dear Sir

Allow me to introduce to your notice & consideration the Daily Mining News, a copy of which I send you by this mail. Also a few slips showing the interest the Mining News takes in the above Company & its mines. The Mining News is a joint stock Company, and I am desirous of placing some of the stock in good investment hands. Mr. E. B. Dorsey has taken 2,000 shares our Secy Mr. Wheelwright 400 shares Mr. J. P. Robinson 500 shares & others more or less including Geo. D. Roberts 1,000 shs. I shall be pleased to have you also as one of my stockholders & believe it will be a good ten per cent in-

vestment to you, & be of great  
service to you individually  
among many of your valuable  
inventions. I expect your friend  
Messrs. Lewis will also be  
come one of my stockholders.  
I am only going to sell 5,000  
shares more, as it is all we  
shall part with at \$2.00 per  
share. I shall be pleased to  
have you take any part of  
said block of stock.

Very truly yours  
A. C. Brown

My dear Sir  
A. C. Brown

*[Faint, mostly illegible handwritten text, likely bleed-through from the reverse side of the page.]*



**A MINING COMPANY WITH ALL THE SAFEGUARDS**

There are mines everywhere about the Spring Valley Hydraulic Gold Mining Company that are worthy of consideration still must command the attention of investors in the first place the period of the operation is remarkable. We do not see how it could be improved upon. It combines all the elements of business expediency, safety and success. So far as the standing of a body of trustees can inspire confidence in a corporation, the Spring Valley Company have secured all that is possible. Following is a list of the directors: Charles M. Fry, President National Bank of New York, 48 Wall street; A. Foster Higgins, U. S. Lloyd's Marine Insurance, 20 Wall street; W. S. Nichols, Proprietor Boston, 101½ Broadway; James W. Simonson, agent of the Associated Press, 110 Broadway; Edward Bates Dorsey, mining engineer, of Broadway; Edward A. Flint, consulting engineer, Boston, Mass.; W. S. Nichols, of W. S. Nichols & Co., 33 Wall street, New York; Benjamin G. Arnold, of B. G. Arnold & Co., 100 Front street; and Henry M. Faber, of C. & H. M. Faber, 141 Nass street.

Mr. E. B. Dorsey, President of the Company, was one of the first of the old California mine operators to recognize that destiny had marked New York as the mining center of the country, and for over a year he has been active in promoting mining enterprises, notably the Leadville and the Chrysolite. Mr. Dorsey is a practical miner as well as an experienced business man, and he knows as well as any man in the United States what a mine is worth and what it can do.

The property of the Spring Valley Company also gives strong assurance of the company's success. Col. H. C. Wiley, President of the Green Mountain company, stated to the writer a few days ago that the Spring Valley mine was doubtless as valuable as any hydraulic property he had ever seen. He had been all over it, saw his records and believed it to be unexcelled by any property of his class. His statement is referred to as showing the standing of the property, being well-informed, conservative and unprejudiced in his interest in it. The full report of the property, prepared by the United States Mining Reclamation Company to examine the property, seen to me to be as valuable as to his ability to pay dividends on the property for a considerable period.

Thus it is seen that some of the strongest property owned by the Spring Valley Company are a board of directors, capable for financial strength, and possessing some and experience in mining property of silver and gravel value far in excess of the realization of the same. An improvement in the character of the stock is made under the charge of the most capable mining engineers. It seems that it has secured all the elements of success in the most conservative and safe manner possible.

**SPRING VALLEY HYDRAULIC**  
A Splendid Lead Developing - Every-thing Working Well.  
Cruzcon, Bate Co., Cal., May 17, 1889.

Edward Bates Dorsey, Esq., President Spring Valley Hydraulic Gold Company, New York;  
Dean Sax - A splendid lead of blue and gray pay gravel develops as we advance in our deep cut up Saw Mill mine, giving a new and unexpected, but all the more encouraging feature in our mine. We have reached now the point, thank the Lord, where we can make money every day and develop our mine at the different points to the same capacity, and get the better of the dead work of striping, laying of new sluice grades, etc. A regular routine is established, enabling us to extract gold from our sluices monthly, and eliminate every three or four months by a general and sweeping clean up. Work in all branches progresses well. Our shafts will be ready in another day, and we are delayed only by the want of power, which has not arrived in the promised time.

A new kind of cheap and effective power still has been invented by a German named Hilsman. We will not mention his name about its adaptability in a few days. The gravel lead in Saw Mill mine proves itself to be continuous, running from Sugar Loaf into Minn Tello Mountain, along the side of the old Blue Gravel Lead. Our annual yield will be deep enough for all considerations. However I think we can work the new lead with our present grade.

I hope the New York Tribune will learn my recent good news. I wish you could see in person the great gold mine in our mining district.

Very truly yours,  
Charles W. Walker, Secy.

**Spring Valley Hydraulic Gold Com-pany.**

Cruzcon, Bate Co., Cal., May 28 - Edward Bates Dorsey, Esq., President Spring Valley Hydraulic Gold Company, Dean Sax - I can only report to-day that we work rapidly ahead in Saw Mill Mine in a splendid bed of pay gravel, which seems to improve as we go ahead. The progress in the other parts of our mine is equally satisfactory, and will count well for our mining. If you will give us time till July let us work our mine, I am sure to make as fine a show as ever was made. It would be a great pity just now to disturb our profitable work, and fear up the paying of our claims - however which was only laid a few weeks ago. Hold on to your stock in the Spring Valley, and let not a share go. It is the best investment in a hydraulic mine I know of. Mr. Hilsman will have telegraphed you that. I wish you could be here now and see how promising everything looks. Your confidence in the mine would be stronger in spite of malice or ignorance. I have been sober in my statements, but strictly correct, and all I want is to get a speculator in so large an operation as our mine surely is. Hilsman runs a general here, prominent to the second, like on a man-of-war, hard luck and honest industry, and all this, combined with an excellent mine, will not win. I will do penance for the balance of my life. Very truly yours,  
Charles W. Walker, Secy.

**A STRONG COMBINATION.**

**The Spring Valley Hydraulic Gold Com-pany Complete in Organization - A Model Board of Directors.**

The Spring Valley Hydraulic Gold Company was incorporated this week with the following trustees: Charles M. Fry, President National Bank of New York; A. Foster Higgins, U. S. Lloyd's Marine Insurance; B. M. Puffer, proprietor Boston Herald; James W. Simonson, agent of the Associated Press; Edward Bates Dorsey, mining engineer; Edward A. Flint, consulting engineer, Boston, Mass.; W. S. Nichols, of W. S. Nichols & Co., New York; Benjamin G. Arnold, of B. G. Arnold & Co., and Henry M. Faber, of C. & H. M. Faber. The Spring Valley Hydraulic Gold Company was placed in the market under the endorsement and patronage of the United States Mining Reclamation Company. The board of trustees named above is certainly all that could be desired. The men are wealthy and influential, and representative of the best elements of New York's financial strength. If expert reports on mining property can be depended upon, and if solid men in a directory guarantee safe management, it would seem that the Spring Valley Company had met all the requirements called for by the most conservative investors. It is stated that nearly all the stock has been subscribed for, and the natural demand will in a few days absorb the remainder.

This Spring Valley Hydraulic Gold Com-pany's advance are progressing satisfactorily, and the letter of the proprietors printed to-day will be interesting and pleasant reading for the stockholders.



We are too busy If you will  
Come down with a Carpenter &  
will furnish <sup>New York</sup> Sept 14<sup>th</sup> 1880.  
Every facility <sup>to</sup> you  
Prof Thomas A. Gordon.  
Crestland Park N. J.

Dear Sir,

Mr Robinson, and  
Mr Nichols, of the board of Directors  
of the Spring Valley Mining Co. have  
here for California on Monday week.  
Their purpose is as I am informed  
to inspect the mine and report  
upon it. I am extremely anxious  
to go to California while they  
are here for the purpose of setting  
up and testing my mining ap-  
paratus on a large working  
scale. I am however very  
desirous of having you test it  
as we have agreed upon before  
during so. I invite you to ask  
you if it would not be possible  
for you to have the apparatus

made and tested within the next three or four days.

I know of course that you are very much driven with your other operations and I am very reluctant to put you to any inconvenience in regard to this.

I am however so thoroughly convinced that it will be a perfect success, and will be so valuable an adjunct to your process of handling ore, that I want to lose no time in getting it into operation before winter sets in. I shall be greatly obliged if you will kindly let me know when it will probably be ready. I will come out any day if I can be of any service in preparing it.

Truly Yrs  
W. P. Barwell

EDWARD BATES OSBORN, President.  
HENRY HAVENNER, Vice-President.  
JAMES D. FIFE, Cashier.  
W. H. BEARD, Secy. at Large.  
A. FOSTER HODGINS, Vice-Past.  
ARTHUR F. WILLMARTH, Vice-Past.

SAMUEL A. WHEELWRIGHT, Secy.  
JNO. T. BARKER, Asst. Secy.  
T. L. JONES, Treasurer.

OFFICE OF  
**United States Mining Investment Co.**  
651 BROADWAY.  
ORGANIZED FOR THE BUYING AND SELLING OF DIVIDEND PAYING MINES.

New York Dec 7<sup>th</sup> 1879.

J. A. Edinies Esq.

Wm. B. B. B. N. Y.

Dear Sir,

In reference to the deposit  
of ledgers we have at date of our previous agreement  
I beg to say, that so soon as you approve the same  
so far advanced as to form a definite basis for  
a formal contract, I shall be pleased to enter  
into negotiations for same, assuring you that  
the preference will always be given to yourself  
as our interests in the matter are identical.

My only hesitation in making such contract now  
is want of available data as which to base same.  
If however you desire to replicate such contract  
as we can now negotiate with the Edinies or Mining  
Co. I do not have no objection to doing so & as  
further evidence of my good faith I will add  
that I will enter into no contract with any other party  
in reference to the ledgers already accounted for a period  
of 12 months, thus allowing you to reflect any conditions you  
may be entitled to. Very truly  
Edward Bates Osborn, Pres.

00

NY 17.00

Edith Dorsey

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**54**

**END**



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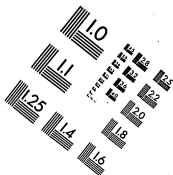
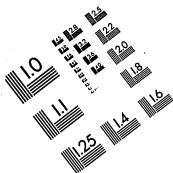
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